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**The Mariner R Project: VOLUME 2:**  
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**September 1, 1962–January 3, 1963**

**Volume II. Supplementary Documentation : Progress ...**

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**JET PROPULSION LABORATORY**  
**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**PASADENA, CALIFORNIA**

**JULY 1, 1963**



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## Foreword

The material presented herein has been assembled as supplementary documentation on the *Mariner R* Project. The purpose of this compilation is to provide a unified reference source in the event of future program reactivation. Because this information is of minor interest to most readers of the overall *Progress Report*, it is published as a separate volume, intended for limited distribution.







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## Abbreviations Used in this Report

A/C	Attitude Control	OPEI	Office of Public Education and Information
A-to-D	Analog-to-Digital		
AGC	Automatic Gain Control	PCA	Pyrotechnics Control Assembly
AMR	Atlantic Missile Range	PDP	Programmed Data Processor
AU	Astronomical Unit	PN	Pseudo Noise
		PSK	Phase-Shift-Key
BECO	Booster-Engine Cutoff	PS&L	Power Switching and Logic
BIH	Built-In Hold		
B/R	Booster Regulator	RF	Radio Frequency
		RSC	Range Safety Command
CCF	Central Computing Facility	RTC	Real-Time Command
CC&S	Central Computer and Sequencer	RWV	Read-Write-Verify
CCW	Counterclockwise		
CW	Clockwise		
		SAF	Spacecraft Assembly Facility
DCS	Data Conditioning System	SC	Stored Command
D-to-D	Digital-to-Digital	S/C	Spacecraft
DE	Data Encoder	SDAT	Spacecraft Data Analysis Team
DEC	Declination Angle	SFOC	Space Flight Operations Complex
DEV	Design-Evaluation (Tests)	SFOP	Space Flight Operations Plan
DN	Data Number	SPS	Scientific Power Switching
DSIF	Deep Space Instrumentation Facility	SRO	Safety Range Officer
		STC	Systems Test Complex
E/A	Electronic Assembly	STP	Standard Temperature and Pressure
ECR	Engineering Change Requirement	SYNC	Synchronization
FA	Flight Approval	TC	Temperature Control
F-F	Flip-Flop	TA	Type Approval
		T/M	Telemetry
GM	Geiger-Mueller	TPS	Telemetry Processing Station
GMT	Greenwich Mean Time	T-R	Transformer-Rectifier
GSE	Ground Support Equipment	TTY	Teletype
		TV	Television
HA	Hour Angle		
IR	Infrared	UT	Universal Time
		UV	Ultraviolet
JPL	Jet Propulsion Laboratory	VCO	Voltage-Controlled Oscillator
LMSC	Lockheed Missiles and Space Company		
NASA	National Aeronautics and Space Administration		







# Supplement I

## *Mariner R* Drawing Lists, 1962 and 1964 Missions

This Supplement contains the final distribution of drawing lists covering the flight hardware and ground support equipment (GSE) for *Mariner R* 1962 and *Mariner R* 1964. For accuracy and consistency, the tabulations are presented as photographic reproductions of the actual documents in JPL design-group files.

Nine separate lists are included as subsections A to I, comprising various categories and breakdown methods, and titled as follows:

- A. *Mariner R* 1962 Drawing List: Flight Numerical
- B. *Mariner R* 1962 Drawing List: Flight Numerical by Division
- C. *Mariner R* 1962 Drawing List: Offset (Generation Breakdown)
- D. *Mariner R* 1962 Drawing List: GSE Numerical
- E. *Mariner R* 1962 Drawing List: GSE Numerical by Division
- F. *Mariner R* 1964 Drawing List: Flight Numerical
- G. *Mariner R* 1964 Drawing List: Flight Numerical by Division

H. *Mariner R* 1964 Drawing List: GSE Numerical

I. *Mariner R* 1964 Drawing List: GSE Numerical by Division

In the *Numerical* lists, the drawings are arranged first by vendor, second by number. In the *Numerical by Division* groups, the drawings are classified first by cognizant Laboratory division, second by vendor, third by number. The *Offset* list is a drawing-generation breakdown, in which the Spacecraft Assembly is tabulated first, followed by all subassemblies, with the appropriate detail-drawing breakdown and next-assembly number for each.

The vendor-code notation is shown in Table 1, and the symbols used to indicate drawing-control status are defined in Table 2. Because of many variables, some of the revisions (change letters) shown are not the latest applicable. The assembly drawings in Figs. 1 and 2 are included for reference.

A group of 194 drawings (JPL numbers 8200161 to 8200375), shown on the *Mariner R* 1964 lists with STL as the vendor, are in the process of being returned to JPL control.



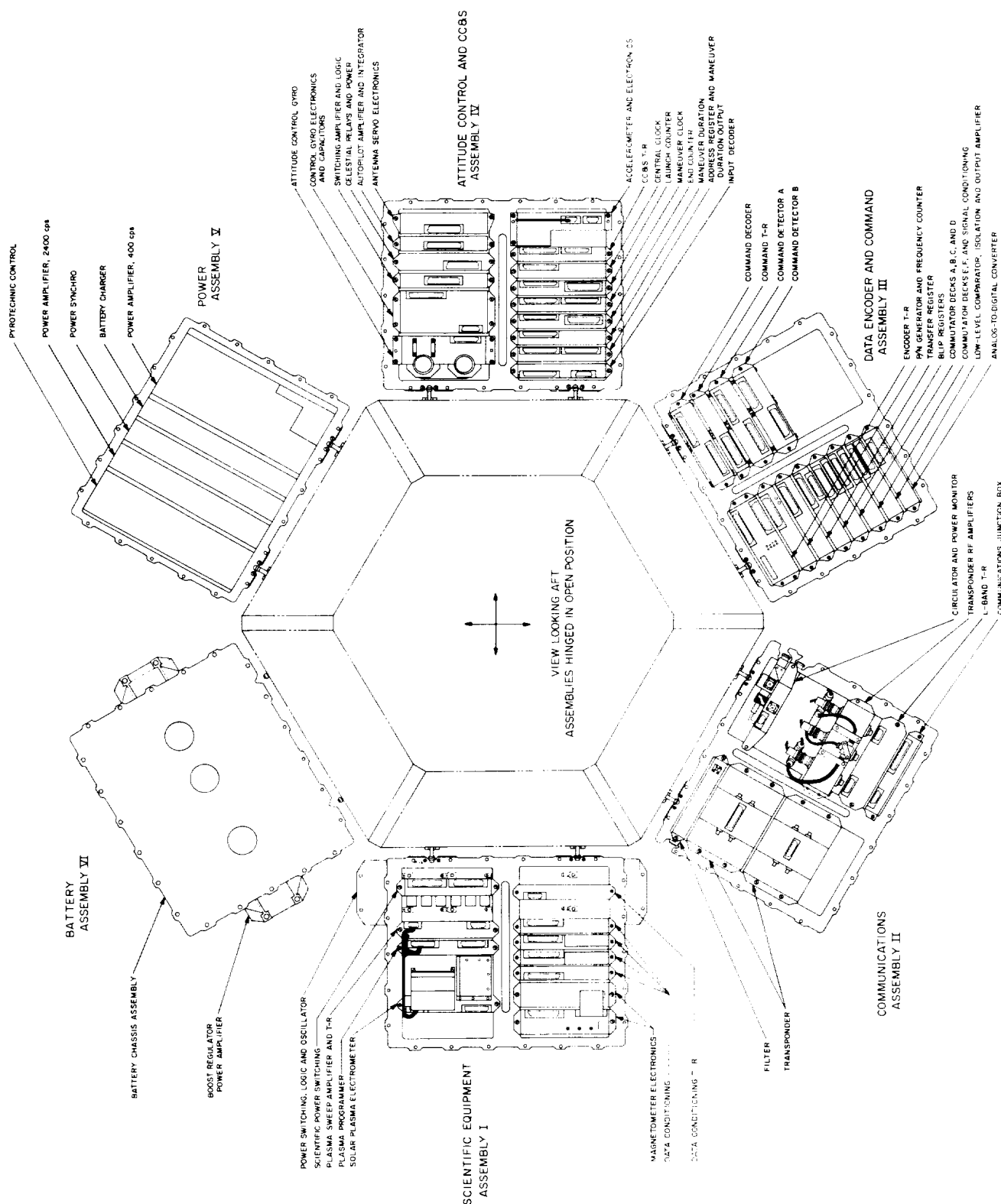
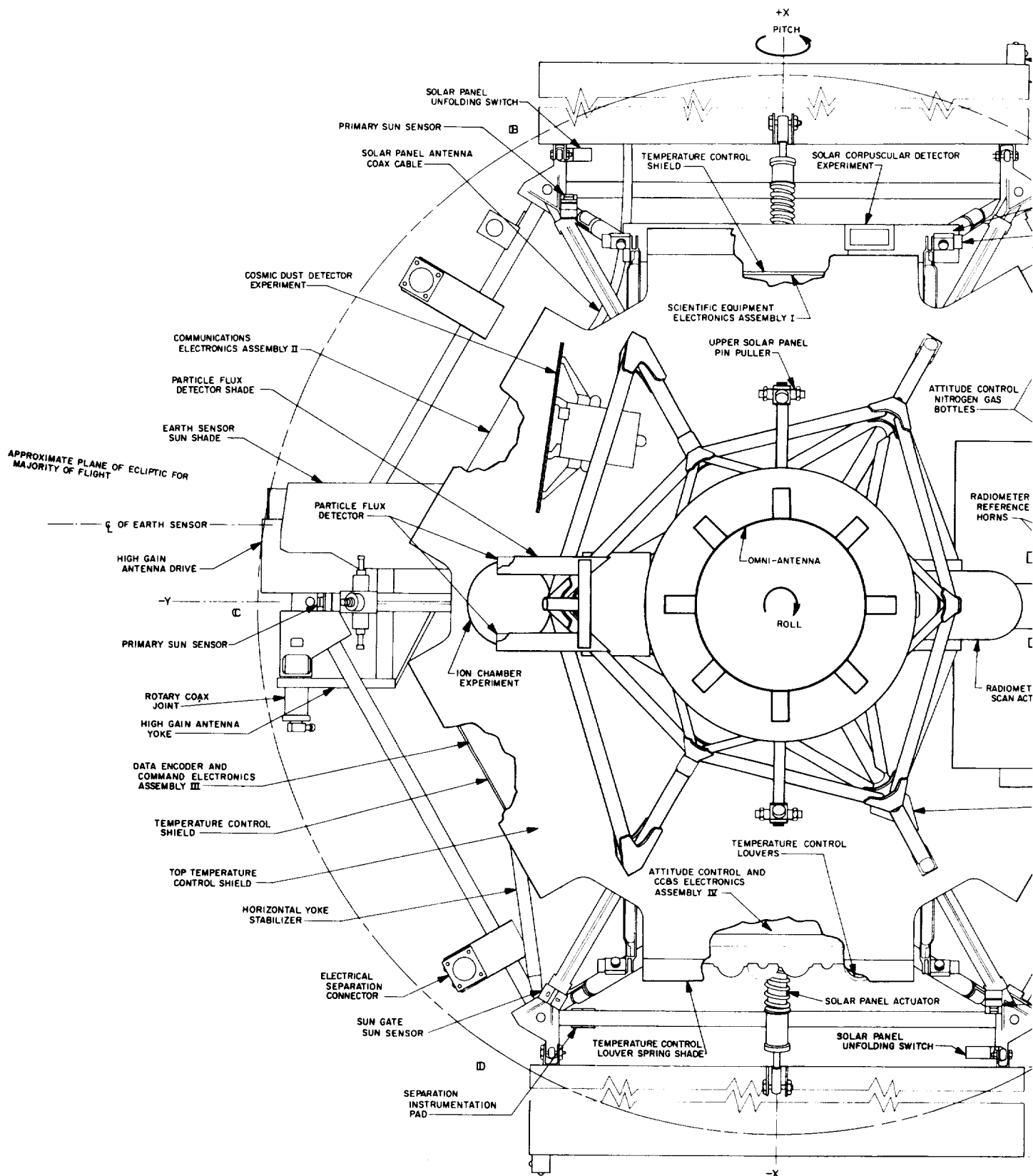


Fig. 1. Mariner R packaging assembly



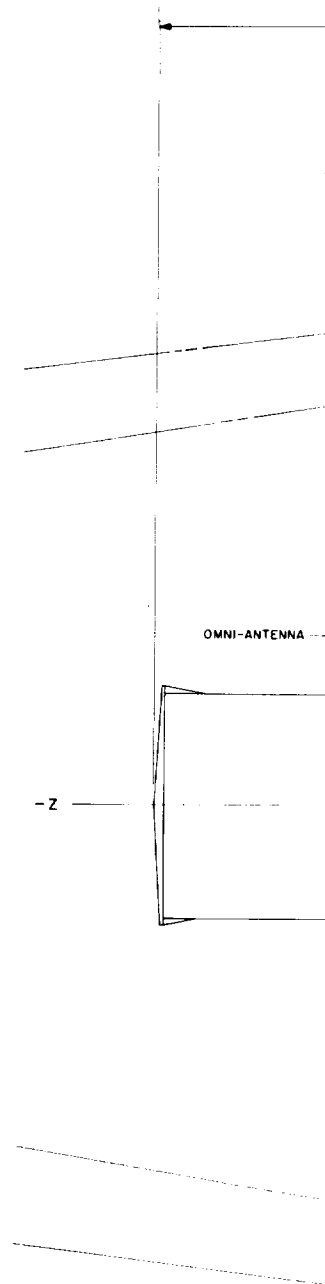
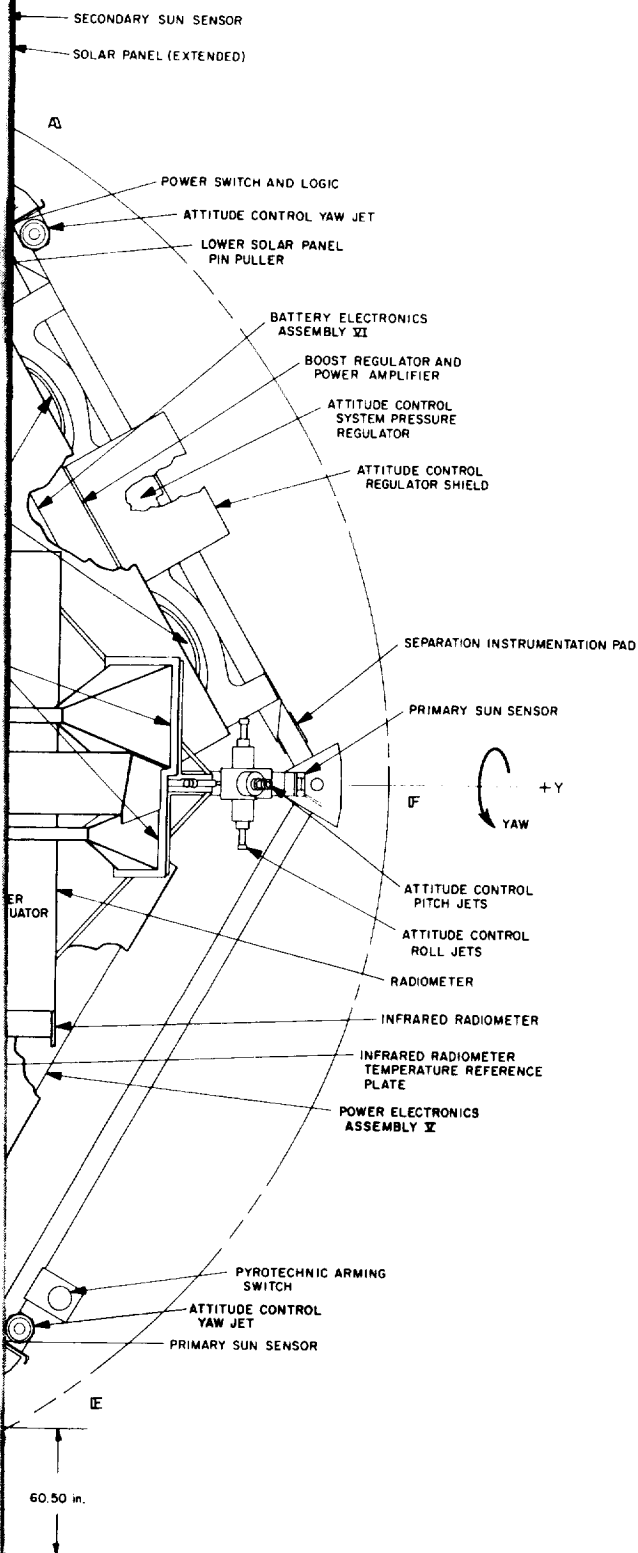


FOLDOUT FRAME /







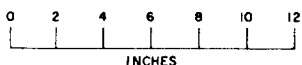
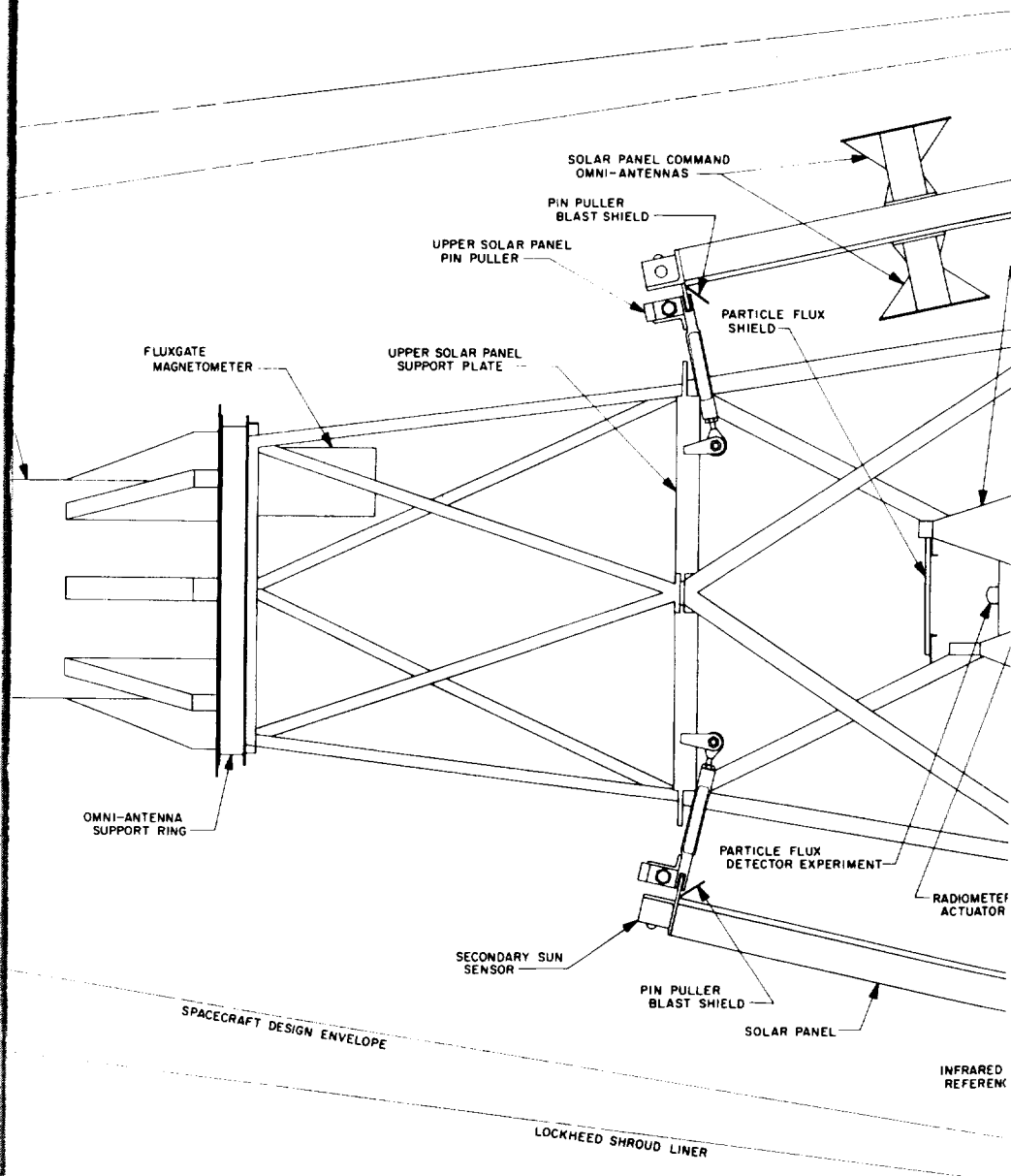


FOLDOUT FRAME 2.









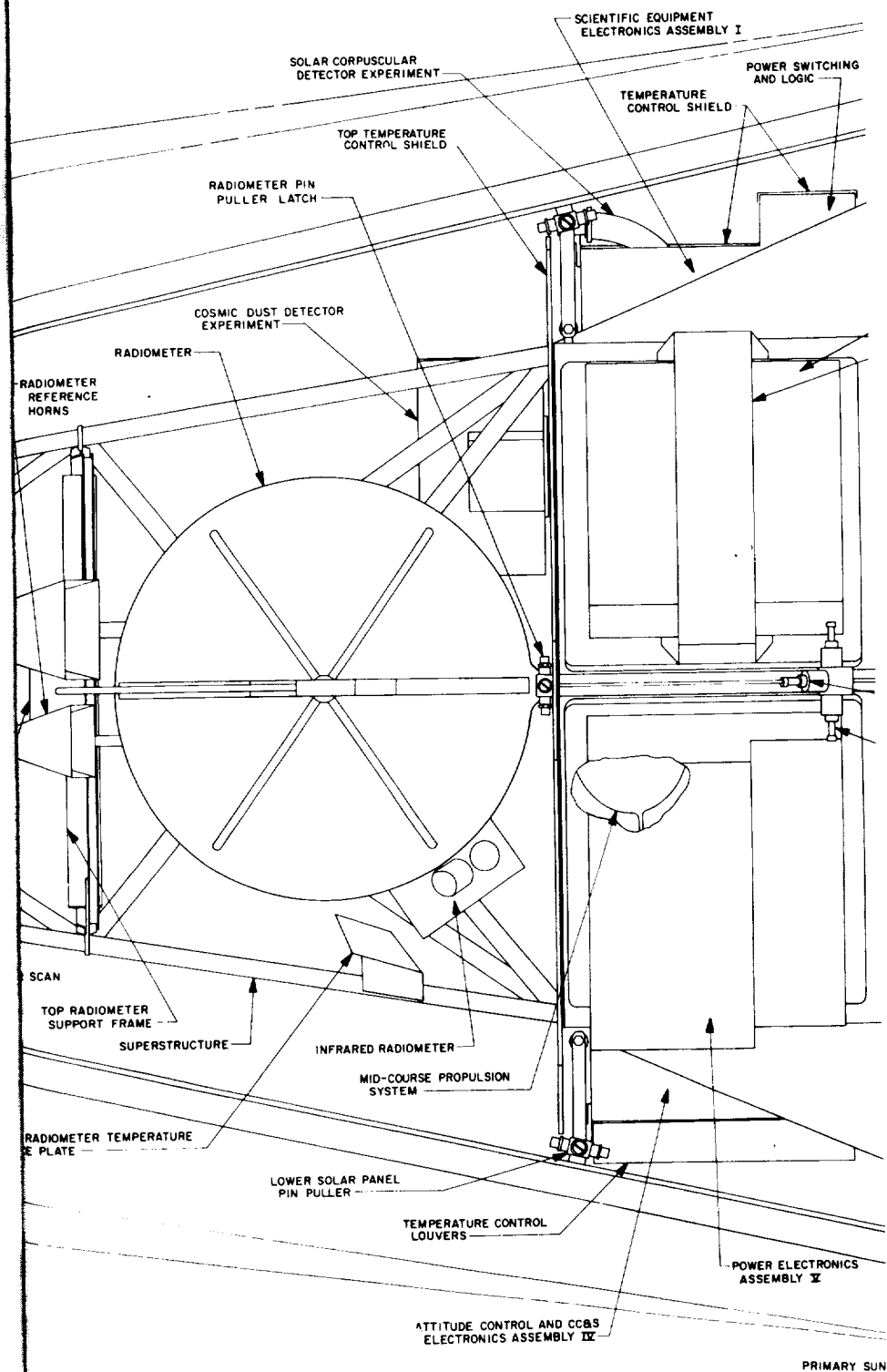
CABLING AND ATTITUDE CONTROL GAS TUBING NOT SHOWN







9.97 in.



FOLDOUT FRAME 4







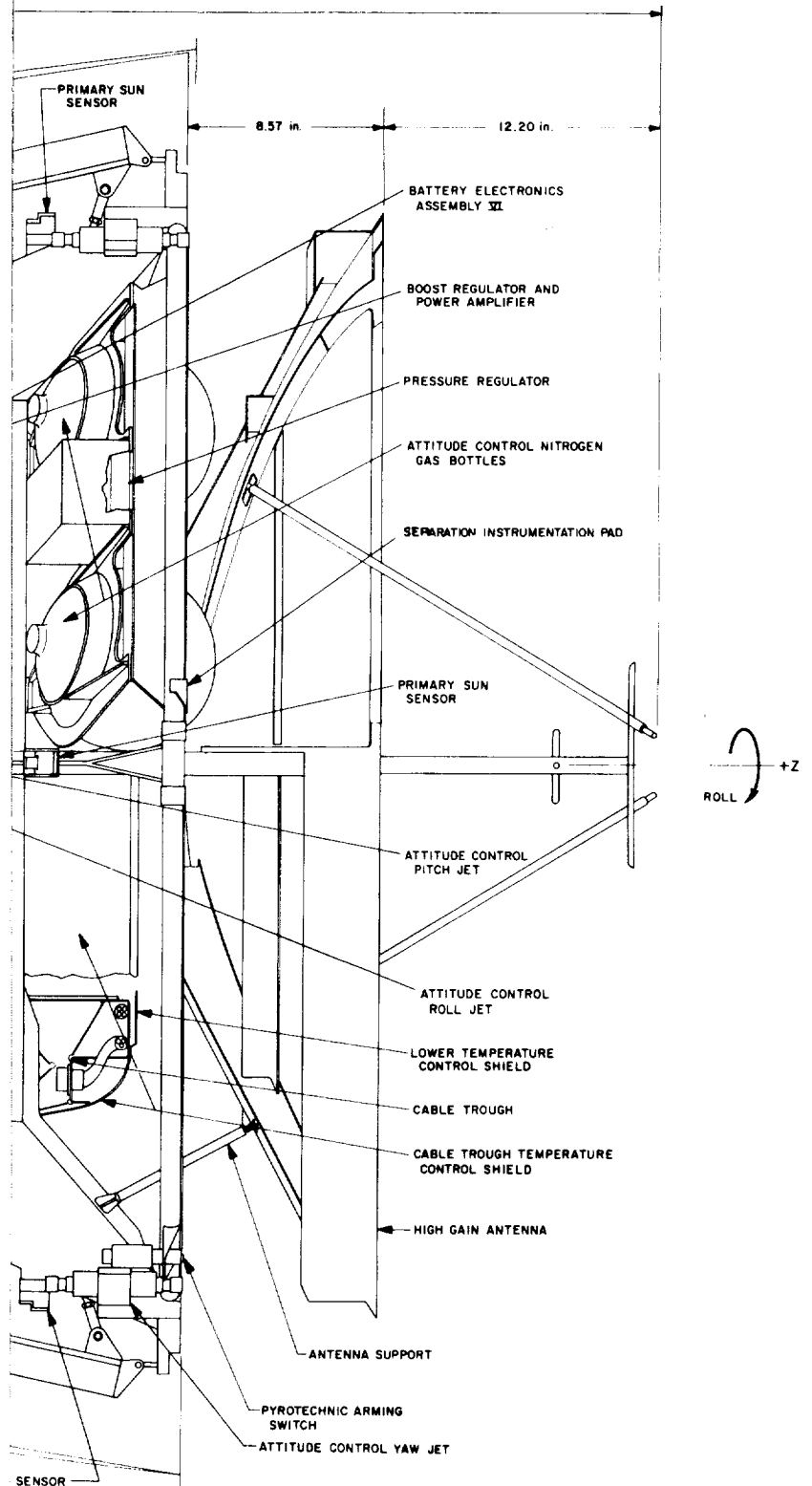


Fig. 2. Configuration of Mariner R spacecraft







Table 1. Vendor code for *Mariner R* drawing lists

Code	Vendor
ADF	Aeronutronic Division, Ford Motor Company
AEI	American Electronics, Inc.
APL	Applied Physics Laboratory, Johns Hopkins University
ARC	Ames Research Center, NASA
CCC	Computer Control Corporation
CSC	Consolidated Systems Corporation
EK	Ewen Knight Corporation
EOS	Electro-Optical Systems, Inc.
ESB	Electric Storage Battery Company
GAI	Groen Associates, Inc.
GLN	Glenetronics, Inc.
GSF	Goddard Space Flight Center, NASA
HAC	Hughes Aircraft Company
HM	Horkey-Moore Associates
HOF	Hoffman Electronics Corporation
ITT	Federal Laboratories, International Telephone & Telegraph Corporation
JPL	Jet Propulsion Laboratory, California Institute of Technology
MIT	Massachusetts Institute of Technology
ML	Marshall Laboratories, NASA
MOT	Motorola, Inc.
NLS	Non-Linear Systems, Inc.
NOR	Nortronics Division, Northrop Corporation
RAN	Rantec Corporation
RP	Radiophone Company
RYN	Ryan Aeronautical Company
SAN	Sandia Corporation
STL	Space Technology Laboratories, Inc.
SUI	State University of Iowa
TI	Texas Instruments, Inc.
UC	University of Chicago
UCL	University of California at Los Angeles
UE	United Electrodynamics, Inc.
ZRO	Zero Manufacturing Company

Table 2. Code indicating drawing-control status

Code	Status
J	Drawing meets the requirements of JPL Specification 20030 and has been released at JPL. JPL has assumed drawing control.
C	Drawing meets the requirements of JPL Specification 20030 and has been released at JPL. Contractor has retained drawing control.
O	Drawing number has been assigned, but drawing has not necessarily been prepared. If prepared, drawing has not necessarily met the requirements of JPL Specification 20030 and has not been released at JPL. No drawing control has been established.







**A. *Mariner R* 1962 Drawing List: Flight Numerical**



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## DRAWING LIST

REV	DRAWING NO.	BY NO.	DATE	TITLE	Q	P	PENNY CODE	RELEASE FOR MAJOR ITEM		REV 1/1	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								GENERAL	THRU REV		NO.	1/1		
A	550717	PL	A	PWR SUP MK2 L-BAND	*	U	AE1	MA	R	33		0	167200	550717
E	550717		A	PWR SUP MK2 L-BAND	*	U	AE1	MA	R	33		0	167150	4600312
C	850738		A	ARTWORK TEMPLATE	*	U	AE1	MA	R	33		0	167210	550717
C	850741		A	ARTWORK TEMPLATE	*	U	AE1	MA	R	33		0	167220	550717
C	850749		A	TRANSFORMER-PWR T401	*	U	AE1	MA	R	33		0	167300	550717
C	850750		A	SILKSCREEN	*	U	AE1	MA	R	33		0	167400	550717
D	950716		A	CHASSIS MK2 L-BAND	*	U	AE1	MA	R	33		0	167500	550717
D	950718		A	ENV MK2 L-BAND POWER	*	U	AE1	MA	R	33		0	167510	550717
D	950721		A	SCHEMATIC MK2 L-BAND	*	U	AE1	MA	R	33		0	167520	550717
D	950739		A	COMPONENT BOARD REG	*	U	AE1	MA	R	33		0	167530	550717
D	950740		A	COMPONENT BOARD REG	*	U	AE1	MA	R	33		0	167600	550717
D	950742		A	COMPONENT BD UNREG	*	U	AE1	MA	R	33		0	167620	550717
D	950743		A	COMPONENT BD UNREG	*	U	AE1	MA	R	33		0	167700	550717
F	600-66		7	DATA CONDIT LOGIC	*	U	CCC	MA	R	32		0		
A	MR0001			SPACE PROBE DWG LIST	*	U	CCC	MA	R	32		0		
A	MR0002		5	FLIP FLOP SCHEM BD#1	*	U	CCC	MA	R	32		0		
A	MR0002		4	FLIP FLOP FF #1	*	U	CCC	MA	R	32		0		
B	MR0005		3	D-A STEP STAIR SCHEM	*	U	CCC	MA	R	32		0		
B	MR0005		3	D-A STEP STAIR DA#9	*	U	CCC	MA	R	32		0		
A	MR0007		1	POWER SUPPLY SPEC	*	U	CCC	MA	R	32		0		
A	MR0010		3	CRD GATE SCHEM	*	U	CCC	MA	R	32		0		
A	MR0010		3	CRD-GATE CG#2	*	U	CCC	MA	R	32		0		
A	MR0011		1	AND GATE SCHEM	*	U	CCC	MA	R	32		0		
A	MR0011		1	AND GATE AG4 #4	*	U	CCC	MA	R	32		0		
A	MR0012		1	EMITTER FOLLOW	*	U	CCC	MA	R	32		0		
A	MR0012		1	EMITTER FOLLOWER EF3	*	U	CCC	MA	R	32		0		
A	MR0013		2	F INVERT SCHEMATIC	*	U	CCC	MA	R	32		0		
A	MR0013		2	OR INVERT SCHEM	*	U	CCC	MA	R	32		0		
A	MR0013		2	OR INVERTER	*	U	CCC	MA	R	32		0		
A	MR0018		1	GATE SCHEM	*	U	CCC	MA	R	32		0		
A	MR0018		1	AND GATE AG5 #5	*	U	CCC	MA	R	32		0		
A	MR0025		1	CONVERT COMPAR SCHEM	*	U	CCC	MA	R	32		0		
A	MR0025		1	COMPARATOR	*	U	CCC	MA	R	32		0		
A	MR0026		2	CONVERT INPUT SCHEM	*	U	CCC	MA	R	32		0		
A	MR0026		2	A/D CONVERT INPUT	*	U	CCC	MA	R	32		0		
A	MR0027		1	CONVTR COMP AMP SCHEM	*	U	CCC	MA	R	32		0		

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A	MR0028		2	CONVERT COMPAR SCHEM	*	U	CCC	MA	R	32			0		
A	MR0028		2	CONVERT COMP INHIBIT	*	U	CCC	MA	R	32			0		
A	MR0029		1	CONVERT COMP OUTPUT	*	U	CCC	MA	R	32			0		
A	MR0029		1	CONVERT COMP SCHEM	*	U	CCC	MA	R	32			0		
A	MR0040		2	PLUS 6V REF SCHEM	*	U	CCC	MA	R	32			0		
A	MR0040		2	66V REF SUPPLY RS	*	U	CCC	MA	R	32			0		
B	MR0043		1	INTERFACE CIRC SCHEM	*	U	CCC	MA	R	32			0		
B	MR0043		1	DCS INTERFACE CIRCTS	*	U	CCC	MA	R	32			0		
A	MR0044			RESET AMPL SCHEM	*	U	CCC	MA	R	32			0		
A	MR0044			RESET AMPLIFIER	*	U	CCC	MA	R	32			0		
A	MR0046			PIN # 6 COLOR CODE	*	U	CCC	MA	R	32			0		
A	MR0048		1	PWR ON RESET PR#15	*	U	CCC	MA	R	32			0		
A	MR0048			POWER ON RESET	*	U	CCC	MA	R	32			0		
A	MR0054		5	HI-SPEED SCHEM FFC	*	U	CCC	MA	R	32			0		
A	MR0054		4	HIGH SPEED FLIP FLOP	*	U	CCC	MA	R	32			0		
C	MR0061		1	LOGIC SUBCHAS 20A21	*	U	CCC	MA	R	32			0		
C	MR0062		8	LOGIC SUBCHAS 20A22	*	U	CCC	MA	R	32			0		
D	MR0063		5	BLOCK SUBCHAS 20A23	*	U	CCC	MA	R	32			0		
C	MR0064		8	LOGIC SUBCHAS 20A24	*	U	CCC	MA	R	32			0		
A	MR0065		3	CONVTR/INPUT SCHEM	*	U	CCC	MA	R	32			0		
A	MR0065		3	A/D CONVERT/INPUT	*	U	CCC	MA	R	32			0		
A	MR0066		2	37 PIN CON WIR 20A21	*	U	CCC	MA	R	32			0		
A	MR0067		2	37 PIN CON WIR 20A22	*	U	CCC	MA	R	32			0		
A	MR0068		2	37 PIN CON WIR 20A23	*	U	CCC	MA	R	32			0		
A	MR0069		2	37 PIN CON WIR 20A24	*	U	CCC	MA	R	32			0		
A	MR0070		2	37 PIN CON WIR 20A21	*	U	CCC	MA	R	32			0		
A	MR0071		2	50 PIN CON WIR 20A22	*	U	CCC	MA	R	32			0		
A	MR0072		2	50 PIN CON WIR 20A23	*	U	CCC	MA	R	32			0		
A	MR0073		2	50 PIN CON WIR 20A24	*	U	CCC	MA	R	32			0		
D	MR0074		2	PC BD ASSY 20A21	*	U	CCC	MA	R	32			0		
D	MR0075		2	PC BD ASSY 20A22	*	U	CCC	MA	R	32			0		
D	MR0076		2	PC BD ASSY 20A23	*	U	CCC	MA	R	32			0		
D	MR0077		2	PC BD ASSY 20A24	*	U	CCC	MA	R	32			0		
A	MR0079			FLIP FLOP SCHEM BD#1	*	U	CCC	MA	R	32			0		
A	1912014		A	CONTAINER REINF	*	U	ESB	MA	R	34			0	143020	2012014

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A	90091		ADHESIVE	U	JPL	MA R			35	05 58	J	133900	4400011
A	90091		ADHESIVE	U	JPL	MA R			35	05 58	J	138500	4400031
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A	90091		ADHESIVE	U	JPL	MA R			35	05 58	J	186300	4400048
A	90091		ADHESIVE	U	JPL	MA R			35	05 58	J	186900	4400053
A	90091		ADHESIVE	U	JPL	MA R			35	05 58	J	187700	4400055
A	90091		ADHESIVE	U	JPL	MA R			35	05 58	J	140800	4400083
A	90091		ADHESIVE	U	JPL	MA R			35	05 58	J	135500	4400089
A	90091		ADHESIVE	U	JPL	MA R			35	05 58	J	168400	4600318
A	90091		ADHESIVE	U	JPL	MA R			35	05 58	J	034700	4800069
A	90091		ADHESIVE	U	JPL	MA R			35	05 58	J	075738	4900312
A	90091		ADHESIVE	U	JPL	MA R			35	05 58	J	075758	4900314
B	90092		TERMINAL INSTL	U	JPL	MA R			35	04 58	J	203800	4901003
A	90099		RESIN	U	JPL	MA R			35	08 58	J	084600	4200053
A	90099		CASTING RESIN	U	JPL	MA R			35	08 58	J	134800	4400013
B	90102		AUTOSYN CLAMP	U	JPL	MA R			35	06 58	J	052700	4500122
C	90116		TRANSISTOR MOUNT	U	JPL	MA R			35	07 58	J	138600	4400031
B	90119		INSERT HELI-COIL	U	JPL	MA R			35	09 58	J	050000	4200837
B	90119		INSERT HELI COIL	U	JPL	MA R			35	09 58	J	050300	4200846
B	90119		INSERT HELI COIL	U	JPL	MA R			34	06 62	J	050500	4200849
B	90119		INSERT HELI COIL	U	JPL	MA R			35	09 58	J	051700	4200872
A	90126		NUT TRANSISTOR MOUNT	U	JPL	MA R			35	11 58	J	138700	4400031
A	90127		TRANSIPAD INSTALL	U	JPL	MA R			35	10 58	J	083500	4200025
A	90127		TRANSIPAD	U	JPL	MA R			35	10 58	J	086800	4200252
A	90127		TRANSIPAD	U	JPL	MA R			35	10 58	J	047700	4200409
A	90127		TERMINAL	U	JPL	MA R			35	10 58	J	089100	4200201
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	089700	4200502
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	090700	4200511
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	091700	4200512
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	093100	4200521
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	093800	4200522
A	90127		TRANSIPAD	U	JPL	MA R			35	10 58	J	095500	4200532
A	90127		TRANSIPAD INSTAL	U	JPL	MA R			35	10 58	J	102100	4200538
A	90127		TRANSIPAD INSTAL	U	JPL	MA R			35	10 58	J	122700	4200539
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	096600	4200541
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	097300	4200542

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REV	DRAWING NO.	PART NO.	TITLE	Q	CLASS	VENDOR CODE	RELEASED FOR		REV	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	S
							MAJOR ITEM	THRU SER.					
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	098400	4200551
A	90127		TRANSIPAD	U	JPL	MA R			35	10 58	J	104700	4200582
A	90127		TRANSIPAD INSTALL	U	JPL	MA R			35	10 58	J	139900	4400034
A	90127		TRANSIPAD	U	JPL	MA R			35	10 58	J	142200	4400043
A	90127		TRANSIPAD	U	JPL	MA R			35	10 58	J	135600	4400089
A	90127		TRANSIPAD	U	JPL	MA R			33	10 58	J	055800	4500161
A	90127		TRANSIPAD	U	JPL	MA R			35	10 58	J	034800	4800069
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	195600	4800263
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	197200	4800365
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	192900	4800396
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	193500	4800398
A	90127		TRANSIPAD INSTL	U	JPL	MA R			35	10 58	J	194200	4800402
B	90143		BOOT POTTING	U	JPL	MA R			35	07 59	J	044000	4200600
B	90153		SPLICE WIRE	U	JPL	MA R			35	03 59	J	185700	4400046
A	90154		RESIN	U	JPL	MA R			35	07 59	J	103700	4200580
A	90154		RESIN	U	JPL	MA R			35	07 59	J	187000	4400053
D	90163		O RING	U	JPL	MA R			35	02 59	J	218600	4700318
D	90163		O RING	U	JPL	MA R			35	02 59	J	213200	4700322
D	90163		O RING	U	JPL	MA R			35	03 59	J	211900	4700326
D	90163		O RING	U	JPL	MA R			35	02 59	J	216700	4700334
D	90164		FITTING END	U	JPL	MA R			35	09 59	J	219500	4700317
C	90190		CUP POTTING	U	JPL	MA R			35	11 59	J	082900	4200033
D	90190		CUP POTTING	U	JPL	MA R			35	01 62	J	143200	4400204
D	90250		NUT	U	JPL	MA R			35	07 60	J	212900	4700306
C	90250		NUT	U	JPL	MA R			35	07 60	J	212600	4700307
B	90252		SCREW QUINTLOCK	U	JPL	MA R			35	07 60	J	088400	4200502
C	90252		SCREW QUINTLOCK	U	JPL	MA R			35	07 60	J	091000	4200511
B	90252		SCREW QUINTLOCK	U	JPL	MA R			35	07 60	J	092500	4200523
B	90252		SCREW QUINTLOCK	U	JPL	MA R			35	07 60	J	095600	4200532
C	90252		SCREW QUINTLOCK	U	JPL	MA R			35	07 60	J	099600	4200563
B	90252		QUINTLOCK STUD	U	JPL	MA R			35	07 60	J	101500	4200573
B	90252		SCREW QUINTLOCK	U	JPL	MA R			35	07 60	J	140000	4400034
B	90252		SCREW QUINTLOCK	U	JPL	MA R			35	07 60	J	142300	4400043
C	90252		SCREW QUINTLOCK	U	JPL	MA R			35	07 60	J	077700	4900201
B	90254		A ASSEMBLY PHOTOCELL	U	JPL	MA R			35	07 60	J	046400	4200566
D	90267		CAP	U	JPL	MA R			35	09 60	J	218700	4700318
D	90267		CAP	U	JPL	MA R			35	09 60	J	213300	4700322
D	90267		CAP	U	JPL	MA R			35	09 60	J	216800	4700334
C	90273		WASHER C SUNK	U	JPL	MA R			35	10 60	J	205900	4700301
C	90273		WASHER C SUNK	U	JPL	MA R			35	10 60	J	206800	4700305

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C	DRAWING NO.	REV. NO.	C	TITLE	C	C	VENDOR CODE	RELEASE FOR		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS		NEXT ASSEMBLY	C
								SERIAL	THRU SER.		NO.	TH				
C	90273			WASHER C SUNK	U	JPL	MA R			35	10	60	J	210000	4700310	
B	90275			MOTOR SYNCHRONOUS	U	JPL	MA R			35	09	60	J	059800	4500122	
B	90283			WASHER SHOULDER	U	JPL	MA R			35	11	60	J	187100	4400053	
B	90283			WASHER	U	JPL	MA R			35	11	60	J	062700	4800300	
B	90284			WASHER INSULATED	U	JPL	MA R			35	11	60	J	189100	4800261	
B	90284			WASHER	U	JPL	MA R			35	11	60	J	062800	4800300	
B	90284			WASHER INSULATOR	U	JPL	MA R			35	04	61	J	059500	4800408	
A	90286			BOLT HEX HEAD	U	JPL	MA R			35	11	60	J	011600	4100303	
A	90286			BOLT HEX HD	U	JPL	MA R			35	11	60	J	000200	4100309	
A	90286			BOLT HEX HEAD	U	JPL	MA R			35	03	62	J	020700	4100375	
A	90302			SURFACE TREAT	U	JPL	MA R			35	04	61	J	030800	4100204	
A	90302			SURFACE TREATMENT	U	JPL	MA R			35	02	62	J	031100	4100210	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R			35	04	61	J	184100	4100220	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R			35	04	61	J	185100	4100221	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R			35	04	61	J	185400	4100222	
A	90302			SURFACE TREATMENT	U	JPL	MA R			35	11	61	J	021300	4100377	
A	90302	A		SURFACE TREATMENT	U	JPL	MA R			35	02	62	J	028500	4100401	
A	90302			SURFACE TREATMENT	U	JPL	MA R			35	02	62	J	204700	4100409	
A	90302			SURFACE TREATMENT	U	JPL	MA R			35	04	61	J	029200	4100424	
A	90302			SURFACE TREATMENT	U	JPL	MA R			35	04	61	J	032000	4100432	
A	90302			SURFACE TREATMENT	U	JPL	MA R			35	04	61	J	017500	4100446	
A	90302			SURFACE TREATMENT	U	JPL	MA R			35	04	61	J	033000	4100447	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R			35	04	61	J	039000	4100474	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R			35			J	039200	4100483	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R			35	03	61	J	040900	4200588	
B	90302			SURFACE TREATMENT	U	JPL	MA R			35	04	61	J	144100	4400210	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R			35	04	61	J	182600	4600339	
A	90302			SURFACE TREATMENT	U	JPL	MA R			35	04	61	J	206000	4700301	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R			35	04	61	J	221600	4700346	
A	90302			MIRROR FINISH	U	JPL	MA R			35	04	61	J	033500	4800061	
A	90302			MIRROR FINISH	U	JPL	MA R			35	04	61	J	033700	4800062	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R			35	04	61	J	183100	4800214	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R			35	04	61	J	144800	4800314	
A	90302	-1		SURFACE TREATMENT	U	JPL	MA R			35	04	61	J	036200	4800343	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R			35	04	61	J	199700	4800406	
A	90302			MIRROR FINISH	U	JPL	MA R			35	04	61	J	071600	4800410	
A	90302			SURFACE TREATMENT	U	JPL	MA R			35	04	61	J	067800	4800427	
A	90302			SURFACE TREATMENT	U	JPL	MA R			35			J	069700	4800428	
A	90302			SURFACE TREATMENT	U	JPL	MA R			35	04	61	J	069900	4800429	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R			35	04	61	J	203300	4901001	

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C	DRAWING NO.	REV. NO.	C	TITLE	C	C	VENDOR CODE	RELEASE FOR		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS		NEXT ASSEMBLY	C
								SERIAL	THRU SER.		NO.	TH				
A	90303			TRANSIPAD INSTALL	U	JPL	MA R			35	02	61	J	083800	4200034	
A	90303			TRANSIPAD	U	JPL	MA R			35	02	61	J	085500	4200049	
A	90303			TRANSIPAD	U	JPL	MA R			35	02	61	J	086900	4200352	
A	90303			TRANSIPAD	U	JPL	MA R			35	02	61	J	047800	4200409	
A	90303			TRANSIPAD INSTL	U	JPL	MA R			35	02	61	J	091100	4200511	
A	90303			TRANSIPAD INSTL	U	JPL	MA R			35	02	61	J	091800	4200512	
A	90303			TRANSIPAD	U	JPL	MA R			35	02	61	J	095000	4200531	
A	90303			TRANSIPAD INSTL	U	JPL	MA R			35	02	61	J	096700	4200541	
A	90303			TRANSIPAD	U	JPL	MA R			35	02	61	J	097400	4200542	
A	90303			TRANSIPAD INSTL	U	JPL	MA R			35	02	61	J	098500	4200551	
A	90303			TRANSIPAD INSTL	U	JPL	MA R			35	02	61	J	099000	4200552	
A	90303			TRANSIPAD INSTAL	U	JPL	MA R			35	02	61	J	026400	4800344	
A	90303			TRANSIPAD INSTL	U	JPL	MA R			35	02	61	J	193000	4800396	
A	90306			TERMINAL	U	JPL	MA R			35	02	61	J	089200	4200501	
A	90306			TERMINAL	U	JPL	MA R			35	02	61	J	089800	4200502	
A	90306			TERMINAL	U	JPL	MA R			35	02	61	J	096800	4200541	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	03	61	J	083000	4200033	
B	90312			SCREW LOCK MECH	U	JPL	MA R			35	03	61	J	084700	4200052	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	086300	4200351	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	088500	4200503	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	090500	4200513	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	092600	4200523	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	094500	4200533	
C	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	096200	4200543	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	098000	4200553	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	099700	4200563	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	101600	4200573	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	03	61	J	103800	4200580	
B	90312			STUD LOCK	*	U	JPL	MA R		35	03	61	J	143402	4400003	
B	90312			SCREW LOCK MECH	U	JPL	MA R			35	03	60	J	124000	4400011	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	03	61	J	138800	4400031	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	03	61	J	141400	4400042	
B	90312			SCREW LOCK MECH	U	JPL	MA R			35	03	61	J	185800	4400046	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	01	62	J	143300	4400204	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	168500	4600318	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	03	61	J	182200	4600333	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	189200	4800261	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	195700	4800263	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	03	61	J	198800	4800297	
B	90312			STUD LOCK	U	JPL	MA R			35	03	60	J	069200	4800300	

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							SERIAL	THRU SER.						
B	90313		MALE LOCK ASSY	1	U	JPL	MA	R	35	03	61	J	083100	4200033
C	90314		CONNECTOR INSTALL	1	U	JPL	MA	R	35	03	61	J	083200	4200033
C	90314		CONNECTOR INSTALL	1	U	JPL	MA	R	35	03	61	J	084300	4200038
C	90314		CONNECTOR INSTALL	1	U	JPL	MA	R	35	03	61	J	084800	4200053
C	90314		CONNECTOR INSTALL	1	U	JPL	MA	R	35	03	61	J	086400	4200351
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	088600	4200503
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	090600	4200513
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	092700	4200523
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	094600	4200533
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	096300	4200543
C	90314		CONNECTOR INSTALL	1	U	JPL	MA	R	35	08	61	J	098100	4200553
C	90314		CONNECTOR	1	U	JPL	MA	R	35	08	61	J	099800	4200563
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	101700	4200573
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	103900	4200580
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	143403	4400003
C	90314		CONNECTOR INSTALL	1	U	JPL	MA	R	35	03	61	J	134100	4400011
C	90314		CONNECTOR INSTALL	1	U	JPL	MA	R	35	03	61	J	138900	4400031
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	141500	4400042
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	185900	4400046
C	90314		CONNECTOR	1	U	JPL	MA	R	35	01	62	J	143400	4400204
C	90314		CONNECTOR INSTALL	1	U	JPL	MA	R	35	03	61	J	168600	4600318
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	10	61	J	182300	4600333
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	189300	4800261
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	195800	4800263
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	198400	4800291
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	198505	4800293
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	198900	4800297
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	08	61	J	200100	4800298
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	03	61	J	063000	4800300
C	90314		CONNECTOR INSTAL	1	U	JPL	MA	R	35	03	61	J	064300	4800339
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	03	61	J	068300	4800380
C	90314		CONNECTOR INSTL	1	U	JPL	MA	R	35	03	61	J	071300	4900299
C	90316		SPECIMEN TENSILE	1	U	JPL	MA	R	35	03	61	J	139000	4400031
A	90344		WASHER FLAT	1	U	JPL	MA	R	35	03	61	J	033200	4800065
A	90346	A	SCREW MACH SOCKET HD	1	U	JPL	MA	R	35	09	61	J	011700	4100303
A	90346	A	SCREW MACH SOCKET HD	1	U	JPL	MA	R	35	09	61	J	011200	4100304
A	90346		SCREW INTERNAL WRNCH	1	U	JPL	MA	R	35	03	61	J	000600	4100306
A	90346		SCREW SOCKET HD	1	U	JPL	MA	R	35	03	61	J	007200	4100306
A	90346	A	SCREW MACH SOCKET HD	1	U	JPL	MA	R	35	09	61	J	010400	4100310
A	90346		SCREW INT WRENCH	1	U	JPL	MA	R	35	03	62	J	020800	4100375

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							SERIAL	THRU SER.						
A	90346		SCREW IN WRENCHING	1	U	JPL	MA	R	35	03	61	J	021600	4100400
A	90346		SCREW MACH	1	U	JPL	MA	R	35	03	61	J	183600	4100416
A	90346		SCREW MACH SOC HEAD	1	U	JPL	MA	R	35	09	61	J	030500	4100419
A	90346		INTERNAL WRENCHING	1	U	JPL	MA	R	35	03	61	J	032600	4100445
A	90346		SCREW	1	U	JPL	MA	R	35	03	62	J	029700	4100462
A	90346		SCREW	1	U	JPL	MA	R	35	09	61	J	037800	4100464
A	90346		SCREW SOCKET HEAD	1	U	JPL	MA	R	35	03	61	J	041000	4200588
A	90347		SCREW PAN HD	1	U	JPL	MA	R	35	03	62	J	019200	4100315
A	90347		SCREW MACH PAN	1	U	JPL	MA	R	35	03	61	J	204000	4100410
A	90347		SCREW MACH PAN HD	1	U	JPL	MA	R	35	03	61	J	183700	4100416
A	90347		SCREW MACH PAN HEAD	1	U	JPL	MA	R	35	03	61	J	030600	4100419
A	90347		SCREW MACH PAN HD	1	U	JPL	MA	R	35	03	61	J	075720	4900318
A	90348		SCREW MACH	1	U	JPL	MA	R	35	03	61	J	011800	4100303
A	90348	A	SCREW MACH 100 D	1	U	JPL	MA	R	35	09	61	J	011300	4100304
A	90348		SCREW MACHINE	1	U	JPL	MA	R	35	03	61	J	007300	4100306
A	90348		SCREW MACH FLT HD	1	U	JPL	MA	R	35	03	61	J	010500	4100310
B	90358		TRANSISTOR INSTALL	1	U	JPL	MA	R	35	06	61	J	134200	4400011
B	90358		TRANSISTOR INSTL	1	U	JPL	MA	R	35	06	61	J	139100	4400031
B	90362		WASHER FLAT	1	U	JPL	MA	R	35	07	61	J	011400	4100304
B	90362		WASHER FLAT INSUL	1	U	JPL	MA	R	35	07	61	J	010600	4100310
B	90362		WASHER FLAT INSUL	1	U	JPL	MA	R	35	07	61	J	032700	4100445
B	90392		WASHER INSULATION	1	U	JPL	MA	R	35	10	61	J	141600	4400042
B	90393		SPACER	1	U	JPL	MA	R	35	10	61	J	141700	4400042
B	90394		NUT HEX JAM	1	U	JPL	MA	R	35	11	61	J	000300	4100309
B	90398		WASHER SHOULDER INSL	1	U	JPL	MA	R	35	05	62	J	010700	4100310
B	90398		WASHER SHOULDER	1	U	JPL	MA	R	35	05	62	J	032800	4100445
A	90399		PASS SST	1	U	JPL	MA	R	35	01	62	J	050700	4200840
A	90401		PASSIVATION	1	U	JPL	MA	R	35	01	62	J	053600	4200830
A	90401		PASSIVATION	1	U	JPL	MA	R	35	01	62	J	051300	4200863
A	90410		HUCK RIVET INSTL	1	U	JPL	MA	R	35	04	62	J	011900	4100303
D	90568		O RING STANDARD	1	U	JPL	MA	R	35	01	60	J	214500	3137127
D	90568		O RING STANDARD	1	U	JPL	MA	R	35	01	60	J	206500	4700304
D	90568		O RING STANDARD	1	U	JPL	MA	R	35	01	60	J	218800	4700318
D	90568		O RING STANDARD	1	U	JPL	MA	R	35	01	60	J	218100	4700320
D	90568		O RING STANDARD	1	U	JPL	MA	R	35	01	60	J	217700	4700321
D	90568		O RING STANDARD	1	U	JPL	MA	R	35	01	60	J	213400	4700322
D	90568		O RING STANDARD	1	U	JPL	MA	R	35	01	60	J	214300	4700325
D	90568		O RING STANDARD	1	U	JPL	MA	R	35	01	60	J	212000	4700326
D	90568		O RING STANDARD	1	U	JPL	MA	R	35	01	60	J	216300	4700333
D	90568		O RING STANDARD	1	U	JPL	MA	R	35	01	60	J	216900	4700334

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REV	DRAWING NO.	BASE NO.	REV	TITLE	ENG	FLIGHT	REVISION CODE	RELEASE FOR MAJOR ITEM		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	S. C.
								SERIAL	THIRD SEC.		NO.	YR.			
D	90568		B	O RING STANDARD	U	JPL	MA R			35	01	60	J	215600	4700335
D	90568		B	O RING STANDARD	U	JPL	MA R			35	01	60	J	219800	4700338
4	BH91021	-10	B	CASE 2 PAN HAR SCHEM	*	U	JPL	MA R		33			O		
	101660		B	LAYOUT DRAWING	*	U	JPL	MA R		33	01	61	J		
1	104208		A	SERVO ACTUATOR SCHEM	*	U	JPL	MR62		34	09	60	J		
D	106101		D	AUTOPILOT SCHEMATIC	*	U	JPL	MR62		34	05	62	J		106100
D	106105		A	SUBCHASSIS AUTOPILOT	*	U	JPL	MR62		34	10	61	J		106100
B	106106		A	SLEEVE INSULATOR	*	U	JPL	MR62		34	01	62	J		4200300
B	106106		A	SLEEVE INSULATOR	*	U	JPL	MR62		34	01	62	J		106100
B	106107		A	WASHER INSULATOR	*	U	JPL	MR62		34	01	62	J		4200300
B	106107		A	WASHER INSULATOR	*	U	JPL	MR62		34	01	62	J		106100
D	106120		B	SPACER ANTENNA & PHP	*	U	JPL	MR62		34	12	61	J		106119
Z	106124		B	GUIDE ANTENNA & PHP	*	U	JPL	MR62		34	12	61	J		106119
D	106125		C	CAP-SEAL ANT & PHP	*	U	JPL	MR62		34	01	62	J		106110
D	106125		C	CAP-SEAL ANT & PHP	*	U	JPL	MR62		34	01	62	J		106130
D	106126		B	INSULATION ANT & PHP	*	U	JPL	MR62		34	12	61	J		106110
D	106126		B	INSULATION ANT & PHP	*	U	JPL	MR62		34	12	61	J		106130
5	106304		C	BATTERY SCHEMATIC	*	U	JPL	MA R		34	06	62	J	142875	2011000
4	106421		A	L-BAND RF BLOCK DGM	*	U	JPL	MA R		33	12	62	J	182410	4600333
5	106499			BLK DGM PAN COAX CBL	*	U	JPL	MA R		33	02	62	J	182420	4600333
J	118489		J	SPACE SCT WIRING DGM	*	U	JPL	MA R		32	11	62	J		
B	119102			INTERCONNECT L-BAND	*	U	JPL	MA R		33			O	182430	4600333
B	123706			WAVEGUIDE	U	JPL	MA R								
B	123707			POWER WIR 4-9-1	U	JPL	MA R			31			O		
B	123707			COMM ENCODR	U	JPL	MA R			31			O		
B	123708			SCIENCE RADIOMETER	U	JPL	MA R			31			O		
B	123709			L-BAND L-BAND	U	JPL	MA R			31			O		
B	123710			L-BAND COMMAND	U	JPL	MA R			31			O		
B	123711			L-BAND ENCODER	U	JPL	MA R			31			O		
B	123712			L-BAND ATT CONT	U	JPL	MA R			31			O		
B	123713			L-BAND WIRING	U	JPL	MA R			31			O		
B	123714			COMMAND POWER	U	JPL	MA R			31			O		
B	123715			COMMAND CC&S	U	JPL	MA R			31			O		
B	123716			COMMAND ENCODER	U	JPL	MA R			31			O		
B	123717			COMMAND ENCODER	U	JPL	MA R			31			O		
B	123718			COMMAND ATT CONTROL	U	JPL	MA R			31			O		

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								SERIAL	THIRD SEC.		NO.	YR.			
B	123719			COMMAND SCIENCE	U	JPL	MA R			31			O		
B	123720			POWER POWER	U	JPL	MA R			31			O		
B	123721			POWER POWER	U	JPL	MA R			31			O		
B	123722			POWER CC&S	U	JPL	MA R			31			O		
B	123723			POWER ENCODER	U	JPL	MA R			31			O		
B	123724			POWER ENCODER	U	JPL	MA R			31			O		
B	123725			POWER ATT CONTROL	U	JPL	MA R			31			O		
B	123726			POWER PYRO	U	JPL	MA R			31			O		
B	123727			POWER SCIENCE	U	JPL	MA R			31			O		
B	123728			CC&S ENCODER	U	JPL	MA R			31			O		
B	123729			CC&S ATT CONTROL	U	JPL	MA R			31			O		
B	123730			CC&S ATT CONTROL	U	JPL	MA R			31			O		
B	123731			CC&S PYROTECHNICS	U	JPL	MA R			31			O		
B	123732			CC&S WIRING	U	JPL	MA R			31			O		
B	123733			CC&S SCIENCE	U	JPL	MA R			31			O		
B	123734			ENCODER ATT CONTROL	U	JPL	MA R			31			O		
B	123735			ENCODER ATT CONT	U	JPL	MA R			31			O		
B	123736			ENCODER PYRO	U	JPL	MA R			31			O		
B	123737			ENCODER WIRING	U	JPL	MA R			31			O		
B	123738			ENCODER WIRING	U	JPL	MA R			31			O		
B	123739			ENCODER PROPULSION	U	JPL	MA R			31			O		
B	123740			ENCODER THERMAL	U	JPL	MA R			31			O		
B	123741			ENCODER THERMAL	U	JPL	MA R			31			O		
B	123742			ENCODER RADIOMETER	U	JPL	MA R			31			O		
B	123743			ATT CONT ATT CONT	U	JPL	MA R			31			O		
B	123744			ENCODER SCIENCE	U	JPL	MA R			31			O		
B	123745			ENCODER PLASMA	U	JPL	MA R			31			O		
B	123746			ENCODER PARTICLE FLX	U	JPL	MA R			31			O		
B	123747			ATT CONT ATT CONT	U	JPL	MA R			31			O		
B	123748			ATT CONT ATT CONT	U	JPL	MA R			31			O		
B	123749			ATT CONT WIRING	U	JPL	MA R			31			O		
B	123750			ATT CONT SCIENCE	U	JPL	MA R			31			O		
B	123751			PYRO PYRO	U	JPL	MA R			31			O		
B	123752			PYRO PYRO	U	JPL	MA R			31			O		
B	123753			PYRO PYRO	U	JPL	MA R			31			O		
B	123754			PYRO WIRING	U	JPL	MA R			31			O		
B	123755			SCIENCE SCIENCE	U	JPL	MA R			31			O		
B	123756			SCIENCE SCIENCE	U	JPL	MA R			31			O		
B	123757			SCIENCE RADIOMETER	U	JPL	MA R			31			O		
B	123758			SCIENCE MAGNETOMETER	U	JPL	MA R			31			O		

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						SERIAL	TYPE					
B	123759		SCIENCE MAGNETOMETER	U	JPL	MA	R	31		U		
B	123760		SCIENCE PLASMA	U	JPL	MA	R	31		U		
B	123761		SCIENCE COSMIC DUST	U	JPL	MA	R	31		U		
B	123762		SCIENCE PARTICLE FLX	U	JPL	MA	R	31		U		
B	123763		SCIENCE RADIOMETER	U	JPL	MA	R	31		U		
B	123764		RADIOMETER RADIOMETR	U	JPL	MA	R	31		U		
B	123765		MAGNETOMETER MAGNETR	U	JPL	MA	R	31		U		
B	123766		MAGNETOMETER MAGNETR	U	JPL	MA	R	31		U		
B	123767		PARTICLE FLUX ION	U	JPL	MA	R	31		U		
B	123768		PARTICLE FLUX ION	U	JPL	MA	R	31		U		
C	3134311		NEEDLE	U	JPL	MA	R	38	11-59	J	218900	4700318
C	3134311	B	NEEDLE	U	JPL	MA	R	38	11-59	J	213500	4700322
C	3134311	B	NEEDLE	U	JPL	MA	R	38	11-59	J	217000	4700334
C	3134501		PLUG	U	JPL	MA	R	38	10-59	J	219900	4700338
C	3134573		UNION	U	JPL	MA	R	38	06-60	J	212100	4700326
D	3137127	C	BODY VALVE ASSEMBLY	U	JPL	MA	R	38	06-62	J	214400	4700325
B	3151037		SHIM	U	JPL	MA	R	35	06-60	J	013000	4100384
C	3151049	B	BRACKET CONNECTOR	U	JPL	MA	R	35	11-60	J	000700	4100306
C	3151049	B	BRACKET CONNECTOR	U	JPL	MA	R	35	11-60	J	007400	4100306
C	3151049	B	BRACKET CONNECTOR	U	JPL	MA	R	35	11-60	J	007900	4100525
D	3151066	C	GROUND PLANE	U	JPL	MA	R	35	01-63	J	026600	4100436
C	3151068	B	STIFFENER	U	JPL	MA	R	35	01-63	J	026700	4100436
C	3151073	C	CAP	U	JPL	MA	R	35	01-61	J	025900	4100322
C	3151078	C	PLUG	U	JPL	MA	R	35	01-63	J	027000	4100324
C	3151080	E	SHELL CONNECTOR	U	JPL	MA	R	35	01-63	J	026100	4100323
B	3151087	B	STUD THREADED 4 FT	U	JPL	MA	R	35	01-63	J	027900	4100331
C	3151095	D	GEAR COMPOUND ASSY	U	JPL	MA	R	34	10-61	J	044100	4200600
C	3151096	C	GEAR SPUR ANT DRIVE	U	JPL	MA	R	34	10-61	J	044200	3151095
C	3151097	C	GEAR HELICAL R.H.	U	JPL	MA	R	34	10-61	J	044300	3151095
C	3151098	E	GEAR HELICAL ANT DR	U	JPL	MA	R	34	10-61	J	044400	4200600
B	3151102	A	POTENTIOMETER GEAR	U	JPL	MA	R	34	10-61	J	044500	4200600
D	3151105	D	PINION FINAL DRIVE	U	JPL	MA	R	34	10-61	J	044600	4200600
C	3151106	D	WORM SHAFT ANT DRIVE	U	JPL	MA	R	34	10-61	J	044700	4200600
C	3151107	D	WORM SHAFT ANT DRIVE	U	JPL	MA	R	34	10-61	J	044800	4200600
B	3151110	C	GEAR SPUR ANT DRIVE	U	JPL	MA	R	34	10-61	J	044900	4200600
B	3151111		GEAR SPUR	U	JPL	MA	R	34	10-61	J	045000	4200600

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						SERIAL	TYPE					
B	3151115	A	RETAINER BEARING ANT	U	JPL	MA	R	34	10-61	J	045100	4200600
B	3151116	A	RETAINER BEARING ANT	U	JPL	MA	R	34	10-61	J	045200	4200600
J	3151118	F	HOUSING GEAR ASSY	U	JPL	MA	R	34	10-61	J	013100	4100384
B	3151119	C	SHAFT WORM GEAR ANT	U	JPL	MA	R	34	10-61	J	045300	4200600
C	3151122	C	GEAR SPUR ANT DRIVE	U	JPL	MA	R	34	10-61	J	045400	4200600
B	3151125	B	SPACER ANTENNA DRIVE	U	JPL	MA	R	34	10-61	J	045500	4200600
B	3151126	A	BUSHING ANT DRIVE	U	JPL	MA	R	34	10-61	J	045600	4200600
D	3151129	B	CONNECTOR ASSEMBLY	U	JPL	MA	R	35	05-61	J	021800	4100320
D	3151130	A	BODY	U	JPL	MA	R	35	08-60	J	021900	3151129
B	3151131	A	INSULATOR CONN R ANG	U	JPL	MA	R	35	01-63	J	022000	3151129
B	3151132	A	INSULAT CONN R ANGLE	U	JPL	MA	R	35	01-63	J	022100	3151129
B	3151133	B	CONTACT R ANGLE CONN	U	JPL	MA	R	35	01-63	J	022200	3151129
C	3151135	A	COUPLING R ANGLE	U	JPL	MA	R	35	01-63	J	022300	3151129
C	3151138	D	DRIVE ANTENNA SCHEM	U	JPL	MA	R	34	08-62	J	045700	4200600
B	3151141	B	CAP ASSY	U	JPL	MA	R	35	06-61	J	010900	4100310
B	3151157	B	STUD	U	JPL	MA	R	35	01-63	J	027100	4100324
B	3151165	A	SPACE R ANGLE CONN	U	JPL	MA	R	35	01-63	J	022400	3151129
C	3151166	A	BUSHING COND R ANGLE	U	JPL	MA	R	35	01-63	J	022500	3151129
B	3151174	B	NUT PLAIN HEXAGON	U	JPL	MA	R	35	01-63	J	022600	4100320
D	3151182		MTG LOC ALIGN DEVICE	U	JPL	MA	R	35	02-60	J	012000	4100202
C	3151193		CLIP ELECT DISCONN	U	JPL	MA	R	35	11-60	J	012100	4100303
C	3151194	B	BRACKET EL DISCONN	U	JPL	MA	R	35	05-61	J	011000	4100310
C	3151723	A	ANGLE INSIDE	U	JPL	MA	R	35	02-62	J	012200	4100303
C	3151724	A	ANGLE FRAME	U	JPL	MA	R	35	04-62	J	012300	4100303
J	3151749	C	PLATE GEAR ANTENNA	U	JPL	MA	R	34	12-62	J	045800	4200600
D	3151751	B	GEAR ANT- BACKLASH	U	JPL	MA	R	34	10-61	J	045900	4200600
B	3151753	C	SERVO MTR GEAR TRAIN	U	JPL	MA	R	34	12-62	J	046000	4200600
C	3151777	A	BRACKET ACTUATOR	U	JPL	MA	R	35	02-62	J	012400	4100303
J	3151781	B	HOUSING COAX JT	U	JPL	MA	R	35	02-62	J	013200	4100384
C	3151800		WASHER	U	JPL	MA	R	35	03-61	J	006600	4700304
C	3151800		WASHER	U	JPL	MA	R	35	03-61	J	215700	4700335
B	3151862	A	SCREW BUMPER	U	JPL	MA	R	35	03-62	J	032200	4100443
B	3151864	A	BRACKET PIVOT ARM	U	JPL	MA	R	35	03-62	J	032300	4100443
D	3151959	B	COVER HOUSING	U	JPL	MA	R	35	09-62	J	011015	3151360
C	3151960		COVER ASSY HOUSING	U	JPL	MA	R	35	11-61	J	011010	4100310
J	3151961	B	HOUSING GEAR ASSY	U	JPL	MA	R	35	01-63	J	013300	4100384
C	3152162	C	NEEDLE VALVE BLEED	U	JPL	MA	R	36	10-62	J	041410	4200592
D	3152416	A	HOUSING SUN SENSOR	U	JPL	MA	R	34	12-62	J	008100	3172584
B	3152417		COVER	U	JPL	MA	R	34	06-60	J	002400	4200673
B	3152417		COVER	U	JPL	MA	R	34	08-60	J	008200	3172584

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C 3152423	B		TS SECOND SON SENSOR	*	U	JPL	MA	R	34	12	62
C 3152423	B		TS SECOND SON SENSOR	*	U	JPL	MA	R	34	12	62
B 3152424	B		MASK SUN SENSOR 15	*	U	JPL	MA	R	34	12	62
B 3152424	B		MASK SUN SENSOR	*	U	JPL	MA	R	34	12	62
B 3152425	B		MASK FLAT SUN SENSOR	*	U	JPL	MA	R	34	12	62
C 3152426	A		HOUSING SUN SENSOR	*	U	JPL	MA	R	34	12	62
B 3152485	B		MASK SUN SENSOR 40	*	U	JPL	MA	R	34	12	62
B 3152485	B		MASK SUN SENSOR 40	*	U	JPL	MA	R	34	12	62
B 3152485	B		MASK SUN SENSOR 40	*	U	JPL	MA	R	34	12	62
B 3152543	C		TRANSFORMER	*	U	JPL	MA	R	34	12	62
C 3152595	C		SUPPORT PHOTO CELL	*	U	JPL	MA	R	35	11	60
C 3152596	C		SHIELD LIGHT SENSOR	*	U	JPL	MA	R	35	08	62
B 3152616	D		TM1 TRANSFLUXOR	*	U	JPL	MA	R	34	09	62
B 3152616	D		TM1 TRANSFLUXOR	*	U	JPL	MA	R	34	09	62
B 3152616	D		TM1 TRANSFLUXOR	*	U	JPL	MA	R	34	09	62
B 3152617	D		TM2 TRANSFLUXOR	*	U	JPL	MA	R	34	09	62
B 3152617	D		TM2 TRANSFLUXOR	*	U	JPL	MA	R	34	09	62
B 3152617	D		TM2 TRANSFLUXOR	*	U	JPL	MA	R	34	09	62
J 3153000	C		ENGINE ROCKET ASSY	*	U	JPL	MA	R	38	07	61
U 3153010	A		ENGINE WELDMENT	*	U	JPL	MA	R	38	02	61
J 3153011	C		INJECTOR ASSEMBLY	*	U	JPL	MA	R	38	10	62
B 3153012	B		CLOSURE	*	U	JPL	MA	R	38	04	61
B 3153013	B		NOZZLE SPRAY PROPL	*	U	JPL	MA	R	38	04	61
B 3153014	A		NOZZLE SPRAY OXIDZR	*	U	JPL	MA	R	38	10	60
C 3153015	D		SCREEN	*	U	JPL	MA	R	38	12	61
C 3153015	D		SCREEN	*	U	JPL	MA	R	38	12	61
C 3153015	D		SCREEN	*	U	JPL	MA	R	38	12	61
C 3153015	D		SCREEN	*	U	JPL	MA	R	38	12	61
D 3153016	D		DOVE INJECTOR	*	U	JPL	MA	R	38	05	61
C 3153017	B		SHELL	*	U	JPL	MA	R	38	05	61
C 3153019	B		NOZZLE WELDMENT	*	U	JPL	MA	R	38	05	61
U 3153020	A		NOZZLE	*	U	JPL	MA	R	38	03	61
B 3153021	B		ROD SUPPORT	*	U	JPL	MA	R	38	04	61
C 3153022	A		TUBE PROPELLANT	*	U	JPL	MA	R	38	12	60
C 3153023	A		TUBE SECTION FWD	*	U	JPL	MA	R	38	04	61
C 3153024	A		TUBE FLANGE SECT	*	U	JPL	MA	R	38	12	61
C 3153026	A		TUBE OXIDIZER WELD	*	U	JPL	MA	R	38	08	60
B 3153027	A		TUBE OXIDIZER SECTN	*	U	JPL	MA	R	38	04	61
B 3153028	A		TUBE OXIDIZER	*	U	JPL	MA	R	38	08	60
B 3153029	A		FLANGE OXIDIZER BLNK	*	U	JPL	MA	R	38	08	60

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C 3153030	A		INJECTOR WELDMENT	*	U	JPL	MA	R	38	03	61
C 3153031	B		INJECTOR COATED	*	U	JPL	MA	R	38	03	61
U 3153032	A		INJECTOR WELDMENT	*	U	JPL	MA	R	38	03	61
U 3153033	C		SHELL WELDMENT	*	U	JPL	MA	R	38	05	61
C 3153034	A		SHELL COATED	*	U	JPL	MA	R	38	10	60
B 3153035	A		TUBE OXIDIZER SECTN	*	U	JPL	MA	R	38	08	60
C 3155003	C		SHELL HALF UPPER	*	U	JPL	MA	R	32	09	61
C 3155004	D		SHELL HALF LOWER	*	U	JPL	MA	R	32	09	61
B 3155005	B		TUBING	*	U	JPL	MA	R	32	08	59
B 3155009	B		DOUBLER TUBING	*	U	JPL	MA	R	32	05	60
B 3155010	B		DOUBLER	*	U	JPL	MA	R	32	05	60
B 3155011	B		DOUBLER NECK	*	U	JPL	MA	R	32	05	60
B 3155033	A		PAD	*	U	JPL	MA	R	33	06	60
B 3155035	A		OUTER CHOKE SPACER	*	U	JPL	MA	R	33	04	60
B 3155036	C		BEARING SLEEVE	*	U	JPL	MA	R	33	04	60
B 3155037	B		RETAINER RING	*	U	JPL	MA	R	33	04	60
C 3155066	B		OUTER CHOKE CYLINDER	*	U	JPL	MA	R	33	06	60
C 3155067	B		COAXIAL LINE CYLINDER	*	U	JPL	MA	R	33	06	60
B 3155068	A		COAX LINE CNTR COND	*	U	JPL	MA	R	33	06	60
B 3155070	A		COAX LINE SPACER	*	U	JPL	MA	R	33	06	60
B 3155072	A		INNER CHOKE CNTR CON	*	U	JPL	MA	R	33	06	60
J 3155134	A		CYLINDER SUPPORT	*	U	JPL	MA	R	33	06	60
U 3155136	A		ADAPTER CONNECTOR	*	U	JPL	MA	R	33	06	60
B 3155137	B		SHIM	*	U	JPL	MA	R	33	06	60
J 3155147	A		GROUND PLANE LOWER	*	U	JPL	MA	R	33	10	60
C 3155272	A		CONDUCTOR CENTER	*	U	JPL	MA	R	33	10	60
B 3155273	B		PLUG INNER TUBE	*	U	JPL	MA	R	33	10	60
B 3155274	B		NUT RETAINING	*	U	JPL	MA	R	33	10	60
B 3155275	B		WASHER SUPPORT LOWER	*	U	JPL	MA	R	33	10	60
B 3155276	B		WASHER SUPPORT UPPER	*	U	JPL	MA	R	33	10	60
B 3155277	B		SPACER	*	U	JPL	MA	R	33	10	60
B 3155278	B		CRANK JOINT ROTARY	*	U	JPL	MA	R	33	07	60
U 3155281	A		CONNECTOR RIGHT ANGL	*	U	JPL	MA	R	33	04	60
C 3155450	A		BRACKET CENTER	*	U	JPL	MA	R	33	10	60
C 3155451	A		DOUBLER	*	U	JPL	MA	R	33	10	61
A 3155452	A		CONDUCTOR CENTER	*	U	JPL	MA	R	33	10	60
B 3155450	A		CUP MOUNTING	*	U	JPL	MA	R	32	03	61
B 3155451	A		SPIDER	*	U	JPL	MA	R	32	03	61
B 3155453	A		GASKET SEAL	*	U	JPL	MA	R	32	03	61
B 3155454	A		CAN SHIELDING	*	U	JPL	MA	R	32	03	61

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DRAWING NO.	REV. NO.	TITLE	Q	Q	STANDARD CODE	RELEASE FOR REVISION		REV. NO.	DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	3
						REVISION	TURN IN					
B 3155545		QUARTZ	U	JPL	MA	R		32	03	61	035400	4800083
B 3155546		PIN CONTACT	U	JPL	MA	R		32	03	61	035500	4800083
B 3155547		PIN OFFSET CONTACT	U	JPL	MA	R		32	03	61	035600	4800083
B 3155601		MODIFICATION ANTENNA	U	JPL	MA	R		33	01	61	029100	4600340
U 3157103		C SUPPORT CONT ASSY	U	JPL	MA	R		38	09	61	210100	4700310
C 3157116		A ROD SUPPORT	U	JPL	MA	R		38	05	61	210300	3157117
D 3157117		A SUPPORT CONT WELDMNT	U	JPL	MA	R		38	05	61	210200	3157103
D 3157118		A FORWARD RING	U	JPL	MA	R		38	05	61	210400	3157117
C 3157119		A SPIDER TANK NITROGEN	U	JPL	MA	R		38	09	60	215300	4700332
D 3157132		A STRUT CONT SUPPORT	U	JPL	MA	R		38	06	61	210600	4700310
C 3157133		STRUT WELDMNT	U	JPL	MA	R		38	05	61	210700	3157132
C 3157134		TONGUE BLANK	U	JPL	MA	R		38	05	61	210800	3157133
C 3157135		CLEVIS BLANK	U	JPL	MA	R		38	05	61	210900	3157133
B 3157136		TUBE	U	JPL	MA	R		38	05	61	211000	3157133
J 3157137		ANGLE RING	U	JPL	MA	R		38	05	61	210500	3157117
B 3157138		A PIN CLEVIS	U	JPL	MA	R		38	06	61	211100	4700310
C 3157508		PLUG	U	JPL	MA	R		38	11	61	220000	4700338
C 3157522		A RING LOCK	U	JPL	MA	R		38	09	61	218200	4700320
B 3157523		A GASKET	U	JPL	MA	R		38	09	60	206900	4700305
J 3157526		A BLADDER	U	JPL	MA	R		38	04	61	218400	4700319
C 3157539		B GAUGE VISUAL	U	JPL	MA	R		38	11	60	215800	4700335
C 3157540		A GAUGE VISUAL PRESSUR	U	JPL	MA	R		38	09	60	217800	4700321
D 3157543		B BODY	U	JPL	MA	R		38	10	61	216400	4700333
J 3157544		A BODY	U	JPL	MA	R		38	10	61	220100	4700338
D 3157546		D REGULATOR PNEV PRESS	U	JPL	MA	R		38	01	62	215900	4700335
C 3157547		A GAUGE VISUAL PRESS	U	JPL	MA	R		38	09	60	212200	4700326
C 3157548		A XDUCE PRESSURE	U	JPL	MA	R		38	07	61	216000	4700335
C 3157549		B TRANSDUCER PRESSURE	U	JPL	MA	R		38	07	61	217900	4700321
C 3157550		PLATE BACKUP	U	JPL	MA	R		38	07	61	212300	4700326
D 3157552		A CAP VALVE	U	JPL	MA	R		38	12	60	213600	4700322
D 3157553		CAP FILL	U	JPL	MA	R		38	09	60	213700	4700322
C 3157554		SLEEVE FITTING	U	JPL	MA	R		38	09	60	212700	4700307
C 3157558		A DIAPHRAGM BURST	U	JPL	MA	R		38	07	61	212400	4700326
C 3157560		TUBE	U	JPL	MA	R		38	09	60	213800	4700322
J 3157562		A FITTING	U	JPL	MA	R		38	09	60	217100	4700334
B 3157563		GASKET	U	JPL	MA	R		38	09	60	214000	3157565
B 3157563		GASKET	U	JPL	MA	R		38	09	60	217300	3157565
B 3157563		GASKET	U	JPL	MA	R		38	09	60	219100	3157565
C 3157564		CAP	U	JPL	MA	R		38	09	60	214100	3157565
C 3157564		CAP	U	JPL	MA	R		38	09	60	217400	3157565

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						REVISION	TURN IN					
C 3157564		CAP	U	JPL	MA	R		38	09	60	219200	3157565
C 3157565		CAP NEEDLE ASSY	U	JPL	MA	R		38	09	60	219000	4700318
C 3157565		CAP NEEDLE ASSY	U	JPL	MA	R		38	09	60	213900	4700322
C 3157565		CAP NEEDLE ASSY	U	JPL	MA	R		38	09	60	217200	4700334
C 3157572		BAFFLE	U	JPL	MA	R		38	07	61	219300	4700318
C 3157574		A RING FILTER BACKUP	U	JPL	MA	R		38	07	61	216100	4700335
D 3157810		A RING SERVO MOUNT	U	JPL	MA	R		38	09	60	220800	4700343
B 3157811		B INSULATOR SHEET	U	JPL	MA	R		38	05	61	220900	4700343
C 3157812		A SERVO	U	JPL	MA	R		38	04	60	221100	4700213
B 3157813		SCREW SET	U	JPL	MA	R		38	09	60	221200	4700213
C 3157816		SHIELD THERMAL	U	JPL	MA	R		38	06	61	206100	4700301
D 3158416		A SUBCHASSIS MACHINED	U	JPL	MA	R		35	01	61	178100	4600327
D 3158416		A SUBCHASSIS MACHINED	U	JPL	MA	R		35	01	61	179500	4600328
C 3158594		CLAMP	U	JPL	MA	R		34	02	61	083300	4200023
D 3158596		C HOLDER MAGNETIC CORE	U	JPL	MA	R		34	09	62	089300	4200501
D 3158596		C HOLDER MAGNETIC CORE	U	JPL	MA	R		34	09	62	089900	4200502
D 3158596		C HOLDER MAGNETIC CORE	U	JPL	MA	R		34	09	62	071900	4200512
D 3158596		C HOLDER MAGNETIC CORE	U	JPL	MA	R		34	09	62	073900	4200522
D 3158596		C HOLDER MAGNETIC CORE	U	JPL	MA	R		34	09	62	102300	4200538
D 3158874		B CABLE RETAINING BRKT	U	JPL	MA	R		35	04	61	182400	4800296
D 3158874		B CABLE RETAINING BRKT	U	JPL	MA	R		35	04	61	077800	4900501
B 3158918		A BRACKET CRYST MOUNT	U	JPL	MA	R		34	08	62	091200	4200511
B 3158919		C CRYSTAL	U	JPL	MA	R		34	12	62	091210	4200511
C 3158929		C STRAP RELAY CC&S	U	JPL	MA	R		34	02	61	101800	4200573
B 3158938		A STRAP RELAY	U	JPL	MA	R		34	08	62	072800	4200523
C 3158989		A STRAP RELAY	U	JPL	MA	R		34			088700	4200503
D 3172189		XPONDER CAVITIES 2A3	U	JPL	MA	R		35	11	61	077900	4900501
C 3172190		A BRACKET	U	JPL	MA	R		35	09	61	078200	4600008
J 3172209		CABLE DETAILS	U	JPL	MA	R		35	11	61	078000	3172189
C 3172585		B SENSOR SUN	U	JPL	MA	R		34	12	62	008000	4100525
B 3172586		B CELL B E H&K CELLS	U	JPL	MA	R		34	12	62	003210	4200673
B 3172586		B CELL B E H&K CELLS	U	JPL	MA	R		34	12	62	008300	3172584
B 3172587		B CELL I CELL ASSEMBLY	U	JPL	MA	R		34	12	62	008500	3172584
B 3172588		B CELL-FLAT D CELL	U	JPL	MA	R		34	12	62	003230	4200672
B 3172589		B CELL J CELL ASSEMBLY	U	JPL	MA	R		34	12	62	008700	3172584
B 3172590		B CELL C CELL ASSEMBLY	U	JPL	MA	R		34	12	62	003250	4200673
B 3177120		A STUD SLOTTED	U	JPL	MA	R		38	09	61	215400	4700332
B 4100049		A PIN LOCATING	U	JPL	MA	R		25	05	61	012500	4100303
B 4100143		A GUSSET SUPP STRUCTOR	U	JPL	MA	R		35	01	63	073800	4100151
B 4100143		A GUSSET SUPP STRUCTUR	U	JPL	MA	R		35	01	63	074200	4100152

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							ORIGINAL	THIRD REV.		NO.	YY			
D	4100148		A	DOUBLER SUPPT STRUCT	*	U JPL	MA R		35	12	62	J	023600	4100336
C	4100149		A	STIFFENER SUPP STRUT	*	U JPL	MA R		35	01	63	J	025200	4100335
B	4100150			DOUBLER		U JPL	MA R		35	05	61	J	022800	4100321
D	4100151		B	CHANL WELDMENT SUPPT	*	U JPL	MA R		35	12	62	J	023700	4100336
D	4100152		B	CHANL WELDMENT SUPPT	*	U JPL	MA R		35	12	62	J	024100	4100336
D	4100153		A	CHANL SUPPT STRUCT	*	U JPL	MA R		35	12	62	J	023900	4100151
D	4100153		A	CHANL SUPPT STRUCT	*	U JPL	MA R		35	12	62	J	024300	4100152
J	4100154		A	RING		U JPL	MA R		35	06	61	J	024500	4100336
C	4100155		A	BRACE PIVOT ARM	*	U JPL	MA R		35	01	63	J	024700	4100336
C	4100157		A	ARM PIVOT	*	U JPL	MA R		35	01	63	J	025300	4100335
J	4100159		A	REFLECTOR HI GAIN	*	U JPL	MA R		35	12	62	J	022900	4100321
B	4100190		A	DOUBLER SPT STRUCT		U JPL	MA R		35	06	61	J	024000	4100151
B	4100190		A	DOUBLER SPT STRUCT		U JPL	MA R		35	06	61	J	024400	4100152
B	4100190		A	DOUBLER		U JPL	MA R		35	06	61	J	023400	4100330
B	4100191		A	DOUBLER RING FLANGE	*	U JPL	MA R		35	01	63	J	024600	4100154
D	4100194		A	RING FLANGE INNER	*	U JPL	MA R		35	12	62	J	024800	4100336
C	4100195		A	STRIP INNER ANTENNA	*	U JPL	MA R		35	01	63	J	023000	4100321
B	4100196		A	DOUBLER RING FLANGE	*	U JPL	MA R		35	01	63	J	024900	4100336
D	4100198		A	STRIP OUTER SUPPORT	*	U JPL	MA R		35	12	62	J	023100	4100321
C	4100199		A	STRIP RADIAL ANTENNA	*	U JPL	MA R		35	01	63	J	023200	4100321
J	4100200		A	LOUVER INSTALLATION		U JPL	MA R		35	09	61	J	082700	4900501
D	4100201		B	HOUSING ASSEMBLY	*	U JPL	MA R		35	12	62	J	200600	4100223
D	4100202		B	HOUSING ASSEMBLY	*	U JPL	MA R		35	12	62	J	200900	4100223
C	4100203		B	PLATE LOUVER END	*	U JPL	MA R		35	01	63	J	201200	4100223
D	4100204		B	ACTUATOR ASSY LOUVER	*	U JPL	MA R		35	01	63	J	183800	4100416
D	4100204		B	ACTUATOR ASSY LOUVER	*	U JPL	MA R		35	01	63	J	030700	4100419
B	4100209			STOP		U JPL	MA R		35	07	61	J	200700	4100201
B	4100209			STOP		U JPL	MA R		35	07	61	J	201000	4100202
D	4100210		B	LOUVER ASSEMBLY COMP	*	U JPL	MA R		35	01	63	J	031000	4100419
D	4100211		B	LOUVER ASSEMBLY	*	U JPL	MA R		35	01	63	J	031200	4100210
B	4100212		A	SHAFT		U JPL	MA R		35	09	61	J	031300	4100210
B	4100212		A	SHAFT		U JPL	MA R		35	09	61	J	184200	4100220
B	4100213		B	HOUSING TRUST BEARNG	*	U JPL	MA R		35	01	63	J	031400	4100210
C	4100214		A	BEARING ASSEMBLY	*	U JPL	MA R		35	01	63	J	021500	4100210
C	4100214		A	BEARING ASSEMBLY	*	U JPL	MA R		35	01	63	J	184300	4100220
B	4100215		A	SHAFT	*	U JPL	MA R		35	01	63	J	031510	4100214
B	4100215		A	SHAFT	*	U JPL	MA R		35	01	63	J	184400	4100214
B	4100216		A	RETAINER SELF-LOCK	*	U JPL	MA R		35	01	63	J	184500	4100214
B	4100216		A	RETAINER SELF-LOCK	*	U JPL	MA R		35	01	63	J	031515	4100214
B	4100217		A	WASHER	*	U JPL	MA R		35	01	63	J	031520	4100214

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							ORIGINAL	THIRD REV.		NO.	YY			
B	4100217		A	WASHER	*	U JPL	MA R		35	01	63	J	184600	4100214
B	4100218		A	BEARING	*	U JPL	MA R		35	01	63	J	031525	4100214
B	4100218		A	BEARING	*	U JPL	MA R		35	07	61	J	184700	4100214
B	4100219		A	PAD	*	U JPL	MA R		35	01	63	J	031530	4100214
B	4100219		A	PAD	*	U JPL	MA R		35	01	63	J	184800	4100214
C	4100220		A	LOUVER ASSY		U JPL	MA R		35	09	61	J	184000	4100416
D	4100221		A	LOUVER ASSY		U JPL	MA R		35	09	61	J	184900	4100220
B	4100222		A	HOUSING		U JPL	MA R		35	09	61	J	185200	4100220
J	4100223		B	RACK INSTALLATION	*	U JPL	MA R		35	01	63	J	200500	4900502
D	4100225		A	HOUSING ASSY		U JPL	MA R		35	09	61	J	200800	4100201
B	4100225		A	HOUSING ASSEMBLY		U JPL	MA R		35	09	61	J	201100	4100202
B	4100228		A	ACTUATOR SPIRAL COIL	*	U JPL	MA R		35	01	63	J	183900	4100204
B	4100228		A	ACTUATOR SPIRAL COIL	*	U JPL	MA R		35	01	63	J	030900	4100204
B	4100229		A	TEE	*	U JPL	MA R		35	06	61	J	025000	4100236
J	4100303		A	HEX STRUCTURE ASSY		U JPL	MA R		35	10	62	J	011500	4100304
J	4100304		A	STRUCTURE ASSEMBLY	*	U JPL	MA R		35	11	62	J	011100	4100310
J	4100306	-1	C	SOL PAN PLUS X 4A11	*	U JPL	MA R		35	11	62	J	000400	4100309
J	4100306	-2	C	SOLAR PANEL - X 4A12	*	U JPL	MA R		35	11	62	J	007100	4100309
J	4100309		A	SPACECRAFT ASSEMBLY	*	U JPL	MA R		35	08	62	J	000100	
J	4100310		A	EQUIPMENT ASSEMBLY	*	U JPL	MA R		35	11	62	J	010200	4100309
J	4100311		A	RING MOUNTING	*	U JPL	MA R		31	01	63	J	018900	4800257
B	4100312		A	LINK ASSY SOLAR PAN		U JPL	MA R		35	11	61	J	019300	4100315
B	4100313		A	END SOL PAN LINK		U JPL	MA R		35	11	61	J	015500	4100304
B	4100314		A	SUPPORT SOL PAN LINK		U JPL	MA R		35	11	61	J	019400	4100315
D	4100315		A	LINK SOLAR PANEL SPT		U JPL	MA R		35	03	62	J	019100	4100310
A	4100316		A	SPACER SOL PAN LINK		U JPL	MA R		35	11	61	J	015600	4100304
A	4100316		A	SPACER SOL PAN LINK		U JPL	MA R		35	11	61	J	019500	4100315
D	4100317		A	TUBE SUPERSTRUCTURE	*	U JPL	MA R		31	01	63	J	015900	4100340
D	4100317		A	TUBE SUPERSTRUCTURE	*	U JPL	MA R		31	01	63	J	016300	4100350
D	4100317		A	TUBE SUPERSTRUCTURE	*	U JPL	MA R		31	01	63	J	017100	4100360
J	4100318		A	PLATE STA 438-281	*	U JPL	MA R		35	11	62	J	018715	4100518
J	4100320		B	ANTENNA 4FT ASSY	*	U JPL	MA R		35	12	62	J	021700	4100400
J	4100321		A	REFLECT HI GAIN ANTI		U JPL	MA R		35	12	62	J	022700	4100320
J	4100322		A	FEED ANT 4FT PARABOL		U JPL	MA R		35	01	62	J	025800	4100320
J	4100323		A	OUTER CONDUCTOR ASSY	*	U JPL	MA R		35	01	63	J	026000	4100322
C	4100324		B	INNER CONDUCTOR ASSY	*	U JPL	MA R		35	01	63	J	026900	4100322
C	4100325		A	CONDUCTOR INNER ANTE	*	U JPL	MA R		35	01	63	J	027200	4100324
B	4100326		A	BLOCK SHORTING DIPOLE	*	U JPL	MA R		35	01	63	J	027300	4100324
D	4100327		A	CONDUCTOR OUTER ANT	*	U JPL	MA R		35	01	63	J	026200	4100323
C	4100328		A	FEED DIPOLE ELEMENT	*	U JPL	MA R		35	01	63	J	026300	4100323

\* DENOTES CHANGE TO PREVIOUS LIST

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## DRAWING LIST

REV	DRAWING NO	BASE NO	REV	TITLE	C/A	CLASS	VEHICLE CODE	VEHICLE CUB VOLUME		REV	REV DATE	DRAWING CONTROL STATUS	REEST ASSEMBLY	REV
								BRN	THRU LTR					
B	4100329		A	SLEEVE FEED ELEMENT	*	U	JPL	MA	R	35	01/63	J	026400	4100323
J	4100330		B	SUPPORT PIVOT ARM	*	U	JPL	MA	R	35	12/62	J	023300	4100321
C	4100331		A	LONGERON ASSY ANT	*	U	JPL	MA	R	35	01/62	J	027700	4100320
B	4100332		A	LONGERON HI GAIN ANT	*	U	JPL	MA	R	35	01/63	J	028000	4100331
B	4100333		A	STUD SLOTTED ANT	*	U	JPL	MA	R	35	01/63	J	028100	4100331
D	4100334		A	HUB SUPPT STRUCT ANT	*	U	JPL	MA	R	35	12/62	J	025400	4100335
J	4100335		A	HUB ASSY HI GAIN ANT	*	U	JPL	MA	R	35	01/62	J	025100	4100336
J	4100336		A	SUPPT STRUCT ASSY	*	U	JPL	MA	R	35	12/62	J	023500	4100321
B	4100337		A	SCREW SHORTING BLOCK	*	U	JPL	MA	R	35	01/63	J	027600	4100322
C	4100338		A	INSULAT PIVOT ARM	*	U	JPL	MA	R	35	01/63	J	025500	4100335
B	4100339		A	INSULAT SLEEVE ANTEN	*	U	JPL	MA	R	35	01/63	J	025600	4100335
J	4100340		A	TRUSS SECTION 3 ASSY	*	U	JPL	MA	R	31	01/63	J	015800	4100304
C	4100341		B	FITTING TRUSS SECT 3	*	U	JPL	MA	R	31	01/63	J	016000	4100340
D	4100342		A	FITTING TRUSS SEC 3	*	U	JPL	MA	R	31	01/63	J	016100	4100340
J	4100345		A	YOKE EARTH SENS ANTE	*	U	JPL	MA	R	35	10/62	J	028300	4100400
C	4100346		A	DRIVE OUTPUT YOKE	*	U	JPL	MA	R	35	04/62	J	019600	4100310
D	4100347		B	GEAR ASSY	*	U	JPL	MA	R	35	04/62	J	019700	4100346
D	4100348		A	RING MTS	*	U	JPL	MA	R	35	01/62	J	019900	4100346
B	4100349			CAP	*	U	JPL	MA	R	35	11/61	J	020000	4100346
J	4100350			TRUSS SECTION 1 ASSY	*	U	JPL	MA	R	35	03/62	J	016200	4100304
J	4100351		A	FITTING TRUSS SEC 1	*	U	JPL	MA	R	31	01/63	J	016400	4100350
D	4100352		A	FITTING TRUSS SEC 1	*	U	JPL	MA	R	31	01/63	J	016500	4100350
D	4100353		A	FITTING TRUSS SEC 1	*	U	JPL	MA	R	31	01/63	J	016600	4100350
C	4100354		A	BRKT INFRA RED RADIM	*	U	JPL	MA	R	31	01/63	J	016700	4100350
C	4100355		A	GUSSET TRUSS SEC 1	*	U	JPL	MA	R	31	01/63	J	016800	4100350
D	4100356		A	FITTING TRUSS ASSY	*	U	JPL	MA	R	35	12/61	J	016900	4100350
D	4100358		A	FITTING TRUSS SEC 2	*	U	JPL	MA	R	31	01/63	J	017200	4100360
D	4100359		A	FITTING TRUSS LOWER	*	U	JPL	MA	R	31	01/63	J	017300	4100360
J	4100360		A	TRUSS SECTION 2 ASSY	*	U	JPL	MA	R	31	01/63	J	017000	4100304
B	4100361			INSERT THERM SHIELD	*	U	JPL	MA	R	35	11/61	J	017700	4100365
D	4100362		A	SHIELD LOUVER HOUSE	*	U	JPL	MA	R	35	09/62	J	020300	4100363
D	4100362		A	SHIELD LOUVER HOUSE	*	U	JPL	MA	R	35	09/62	J	020500	4100364
D	4100363		A	SHIELD LOUVER INSTL	*	U	JPL	MA	R	35	09/62	J	020200	4100310
D	4100364		A	SHIELD LOUVER HOUSE	*	U	JPL	MA	R	35	09/62	J	020400	4100310
J	4100365		A	SHIELD THERMAL ASSY	*	U	JPL	MA	R	35	09/62	J	017600	4100304
B	4100366			INSERT THERM SHIELD	*	U	JPL	MA	R	35	11/61	J	017800	4100365
B	4100367			INSERT RADIOMTR SPT	*	U	JPL	MA	R	35	11/61	J	017900	4100365
B	4100368			INSERT THERM SHIELD	*	U	JPL	MA	R	35	11/61	J	018000	4100365
A	4100369			INSERT THERM SHIELD	*	U	JPL	MA	R	35	11/61	J	018100	4100365
J	4100370		B	PLATE ASSY SUPERSTRU	*	U	JPL	MA	R	31	01/63	J	018300	4100304

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SIZE	DRAWING NO.	PART NO.	REV.	TITLE	QTY	UNIT	VENOR CODE	RELEASE FOR MAINT. CASE	RECH. CASE	RELEASE CASE	DRAWING CONTROL STATUS	PREVIOUS ASSEMBLY	NEXT ASSEMBLY	1	
								REPL.	TRPL. SER.					2	
D	4100371	A		JOINT PLATE SUPERSTR	*	U	JPL	MA	R	35	01	63	J	018400	4100370
C	4100372	A		JOINT PLATE SUPERSTR	*	U	JPL	MA	R	35	01	63	J	018500	4100370
B	4100373			INSERT		U	JPL	MA	R	35	11	61	J	018200	4100365
C	4100374	A		BOLT EYE SOL PANEL		U	JPL	MA	R	35	03	62	J	020900	4100375
	4100375			UPPER SOL PAN LATCH		U	JPL	MA	R	35	03	62	J	020600	4100310
C	4100376			LINK LATCH SOLAR PAN		U	JPL	MA	R	35	11	61	J	021100	4100375
B	4100377			BRACKET PIN PULLER		U	JPL	MA	R	35	11	61	J	021200	4100375
B	4100378	A		PLATE LATCH SOL PAN		U	JPL	MA	R	35	03	62	J	000800	4100306
B	4100379			CLEVIS SOL PAN LATCH		U	JPL	MA	R	35	11	61	J	018700	4100304
J	4100380	D		SUPPORT A&D SC MACH	*	U	JPL	MA	R	35	01	63	J	012600	4100302
J	4100381	A		SUPPORT B&E SC MACH		U	JPL	MA	R	35	03	62	J	012700	4100303
J	4100382	C		SUPPORT A SC MACHING	*	U	JPL	MA	R	35	01	63	J	012800	4100303
J	4100383	A		SUPPORT C SC MACHING		U	JPL	MA	R	35	03	62	J	013400	4100384
J	4100384	A		SUPPORT ANT PIVOT		U	JPL	MA	R	35	11	61	J	012900	4100303
C	4100386	A		FITTING	*	U	JPL	MA	R	35	12	62	J	013500	4100303
C	4100387	A		TUBE	*	U	JPL	MA	R	35	12	62	J	013600	4100303
C	4100388	A		STIFFENER DIAGONAL	*	U	JPL	MA	R	35	12	62	J	013700	4100303
C	4100389	A		BRKT ARMING SWITCH	*	U	JPL	MA	R	35	12	62	J	013800	4100303
D	4100390	A		BACKTIE	*	U	JPL	MA	R	35	12	62	J	013900	4100303
B	4100391	A		TUBE STRUCT K BRACE	*	U	JPL	MA	R	35	12	62	J	014000	4100303
D	4100392	A		BRACKET K BRACE RH	*	U	JPL	MA	R	35	12	62	J	014200	4100303
D	4100393	A		BRACKET K BRACE LH	*	U	JPL	MA	R	35	12	62	J	014300	4100303
B	4100394	A		END FITTING STRUCT K	*	U	JPL	MA	R	35	12	62	J	014100	4100391
C	4100395	A		FITTING TUBE	*	U	JPL	MA	R	35	12	62	J	014400	4100303
B	4100396	A		BRACKET REF PLATE	*	U	JPL	MA	R	35	12	62	J	014500	4100303
C	4100397	A		BRKT ARMING SWITCH	*	U	JPL	MA	R	35	12	62	J	014600	4100303
B	4100399	A		ADAPTER SUN GATE	*	U	JPL	MA	R	35	12	62	J	014700	4100303
J	4100400	A		YOKL ANTENNA INSTALL	*	U	JPL	MA	R	35	11	62	J	021200	4100310
D	4100401			POST ASSY ROT COAX		U	JPL	MA	R	35	04	62	J	028400	4100400
B	4100402			BEARING YOKE		U	JPL	MA	R	35	04	62	J	028600	4100400
B	4100403			WASHER		U	JPL	MA	R	35	04	62	J	021000	4100346
A	4100404			WASHER		U	JPL	MA	R	35	04	62	J	019800	4100347
D	4100406			SHIELD BAY B TO C		U	JPL	MA	R	35	07	62	J	204100	4100410
D	4100407			SHIELD LOWER		U	JPL	MA	R	35	07	62	J	204200	4100410
D	4100408			SHIELD BAY E TO F		U	JPL	MA	R	35	07	62	J	204500	4100410
D	4100409			SHIELD BAY A TO B		U	JPL	MA	R	35	07	62	J	204600	4100410
J	4100410			SHIELD THERMAL INSTL		U	JPL	MA	R	35	07	62	J	203900	4100309
D	4100411			SHIELD LWR THERMAL		U	JPL	MA	R	35	07	62	J	204300	4100407
D	4100412			SHIELD BAY C TO D		U	JPL	MA	R	35	07	62	J	204800	4100410
D	4100413			SHIELD BAY D TO E		U	JPL	MA	R	35	07	62	J	204900	4100410

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**DRAWING LIST**

REV	DRAWING NO.	SHEET NO.	REV	TITLE	QTY	VENDOR CODE	RELEASE FOR		STEP NO.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							REVISION	DATE					
D	4100414			SHIELD BAY F TO A		U JPL	MA R		35	07 62	J	205000	4100410
J	4100416			LOUVER INSTL		U JPL	MA R		35	11 61	J	183500	4800296
B	4100418		A	MIRROR LOUVER ASSY	*	U JPL	MA R		35	01 63	J	031600	4100419
J	4100419		A	LOUVER INSTALLATION	*	U JPL	MA R		35	01 63	J	030400	4100310
C	4100420			MIRROR ASSEMBLY		U JPL	MA R		35	04 62	J	028700	4100400
B	4100421			WASHER LONG RANGE		U JPL	MA R		35	04 62	J	028800	4100400
D	4100422		A	SHADE EARTH SENSOR	*	U JPL	MA R		35	09 62	J	028900	4100400
D	4100423			BOX BAFFLE ASSEMBLY		U JPL	MA R		35	01 62	J	029000	4100422
C	4100424			SHADE DIRECT SUN		U JPL	MA R		35	01 62	J	029100	4100422
C	4100425			BAFFLE SET SHADE		U JPL	MA R		35	01 62	J	029300	4100422
B	4100426			STUD LONG RANGE		U JPL	MA R		35	04 62	J	029400	4100400
D	4100427			SHADE FIXED EARTH		U JPL	MA R		35	06 62	J	031800	4100310
B	4100429		A	MIRROR	*	U JPL	MA R		35	01 63	J	031700	4100418
C	4100430			BRACKET SENSOR		U JPL	MA R		35	03 62	J	009000	4100525
B	4100431			SADDLE PART FLUX DET		U JPL	MA R		35	01 62	J	018600	4100370
B	4100432			SPACER PRIMARY		U JPL	MA R		35	05 62	J	031900	4100310
B	4100434			SPACER COAX HOUSING		U JPL	MA R		35	04 62	J	029500	4100400
B	4100435			RETAINER LATCH		U JPL	MA R		35	03 62	J	021400	4100375
D	4100436		A	GROUND PLANE ASSY	*	U JPL	MA R		35	01 63	J	026500	4100323
D	4100437		A	HUB GROUND PLANE ANT	*	U JPL	MA R		35	01 62	J	026800	4100436
B	4100438		A	INSULATOR HI GAIN	*	U JPL	MA R		35	01 63	J	027400	4100324
C	4100439			DOUBLER PIVOT ARM		U JPL	MA R		35	01 62	J	025700	4100336
B	4100440		A	TRANSFORMER COAXIAL	*	U JPL	MA R		35	01 63	J	027500	4100324
B	4100441			ACTUATOR SWITCH		U JPL	MA R		35	03 62	J	000900	4100306
B	4100442			CLIP MOUNTING MICRO		U JPL	MA R		35	03 62	J	007500	4100306
C	4100443			STRUCTURE PIVOT ARM	*	U JPL	MA R		35	05 62	J	032100	4100310
B	4100444			TUBE PIVOT ARM SUPP		U JPL	MA R		34	05 62	J	032400	4100443
J	4100445			ION CHAMBER PARTICLE		U JPL	MA R		35	05 62	J	032500	4100310
B	4100446		A	BRACKET TRUSS	*	U JPL	MA R		31	01 63	J	017400	4100260
D	4100447		A	SHADE SUN PARTICLE	*	U JPL	MA R		35	09 62	J	032900	4100445
C	4100448			GUIDE CABLE WELDMENT		U JPL	MA R		35	03 62	J	001000	4100306
C	4100449		A	SUPP&CABLE CLAMP ASY		U JPL	MA R		35	06 62	J	001200	4100495
C	4100450		A	CLAMP CABLE ASSY		U JPL	MA R		35	06 62	J	001300	4100495
C	4100451			BEARING SOL PANEL		U JPL	MA R		35	03 62	J	021000	4100374
D	4100454			RADIOMETER GUARD INS	*	U JPL	MA R		35	09 62	J	205110	4100309
J	4100455			BLANKET THERMAL INST	*	U JPL	MA R		35	12 62	J	037600	4100310
J	4100456			BLANKET THERMAL ASSY	*	U JPL	MA R		35	12 62	J	027620	4100455
C	4100457			SUPPORT ANTENNA		U JPL	MA R		35	03 62	J	029800	4100462
D	4100458			SHAFT ASSEMBLY ANT		U JPL	MA R		35	03 62	J	029900	4100462

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**DRAWING LIST**

REV	DRAWING NO.	SHEET NO.	REV	TITLE	QTY	VENDOR CODE	RELEASE FOR		STEP NO.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							REVISION	DATE					
C	4100459			TUBE ANTENNA DAMPER		U JPL	MA R		35	03 62	J	030000	4100462
B	4100460			BUSHING ANT DAMPER		U JPL	MA R		35	03 62	J	030100	4100462
C	4100461			BOOT ANTENNA DAMPER		U JPL	MA R		35	03 62	J	030200	4100462
D	4100462			ANT DAMPER INSTALL		U JPL	MA R		35	03 62	J	029600	4100400
B	4100463			SPRING COMPRESSION		U JPL	MA R		35	07 62	J	038000	4100465
D	4100464			INSTALLATION STABILZ		U JPL	MA R		35	07 62	J	037700	4100310
D	4100465			STABILIZER ASSY VERT		U JPL	MA R		35	07 62	J	037900	4100464
C	4100466			SOCKET VERT STAB		U JPL	MA R		35	07 62	J	038800	4100464
B	4100467			PIN-VERTICAL STABILZ		U JPL	MA R		35	07 62	J	038100	4100465
D	4100468			FITTING VERTICAL		U JPL	MA R		35	07 62	J	038200	4100465
C	4100469			RETAINER VERTICAL		U JPL	MA R		35	07 62	J	038300	4100465
C	4100470			INNER TUBE VERTICAL		U JPL	MA R		35	07 62	J	038400	4100465
D	4100471			OUTER TUBE VERTICAL		U JPL	MA R		35	07 62	J	038500	4100465
B	4100472			BOOT-VERTICAL STABILZ		U JPL	MA R		35	07 62	J	038600	4100465
B	4100473			ROD VERTICAL STABL		U JPL	MA R		35	07 62	J	038700	4100465
B	4100474			SPACER VERTICAL STBL		U JPL	MA R		35	07 62	J	038900	4100464
D	4100475			STABILIZER ASSY		U JPL	MA R		35	07 62	J	039100	4100464
B	4100476			FITTING HORIZONTAL		U JPL	MA R		35	07 62	J	039900	4100484
B	4100477			ADAPTER HORIZONTAL		U JPL	MA R		35	07 62	J	039400	4100483
B	4100478			TUBE SUPPORT HORIZON		U JPL	MA R		35	07 62	J	039500	4100483
B	4100479			TUBE INNER HORIZONTAL		U JPL	MA R		35	07 62	J	040000	4100484
C	4100480			TUBE OUTER HORIZONTAL		U JPL	MA R		35	07 62	J	039600	4100483
D	4100481			FITTING ATTACHMENT		U JPL	MA R		35	07 62	J	039700	4100483
C	4100483			OUTER TUBE ASSEMBLY		U JPL	MA R		35	07 62	J	039200	4100475
C	4100484			INNER TUBE ASSY		U JPL	MA R		35	07 62	J	039800	4100475
C	4100490			ROD END ASSY		U JPL	MA R		35	05 62	J	205200	4100309
C	4100491			HOUSING BEARING		U JPL	MA R		35	05 62	J	205300	4100490
B	4100492			BUSHING ROD END		U JPL	MA R		35	05 62	J	205400	4100490
B	4100493			INSERT		U JPL	MA R		35	05 62	J	205500	4100490
C	4100495			SUPP&CABLE CLAMP ASY		U JPL	MA R		35	06 62	J	001100	4100306
B	4100496			SPACER PYROTECHNIC		U JPL	MA R		35	05 62	J	040100	4100310
D	4100498			BRACKET DIODE		U JPL	MA R		35	07 62	J	001400	4100306
J	4100498			BRACKET DIODE		U JPL	MA R		35	07 62	J	007600	4100306
J	4100501			STRUCTURE MCPU INSTL	*	U JPL	MA R		35	05 62	J	014800	4100309
B	4100502			STRUT MCPU		U JPL	MA R		34	05 62	J	014900	4100501
C	4100503			JOINT MCPU		U JPL	MA R		34	05 62	J	015000	4100501
C	4100504			FOOT MCPU		U JPL	MA R		34	05 62	J	015100	4100501
B	4100516			SET SCREW MODIFIED		U JPL	MA R		35	05 62	J	205600	4100490
C	4100519			SAIL ASSEMBLY PLUS X		U JPL	MA R		35	07 62	J	001500	4100306
C	4100520			BRACKET SUN SENSOR		U JPL	MA R		35	07 62	J	001600	4100306

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**DRAWING LIST**

REV	DRAWING NO.	DRAW NO.	REV	TITLE	REV	REV	VENDOR CODE	RELEASE FOR		REV	RELEASE DATE		DRAWING CONTROL STATUS		NEXT ASSEMBLY	REV
								REPROD	THRU REV		NO.	YY				
B	4100521			STANDOFF SOL SENSOR			U JPL	MA	R	35	07	62	J	001700	4100306	
B	4100524			PLATE LATCH SOL PAN			U JPL	MA	R	35	07	62	J	007700	4100306	
J	4100525	A		SOLAR PANEL EXTENS	*		U JPL	MA	R	35	09	62	J	007800	4100306	
J	4190225	A		ATT CONT BOTTLES			U JPL	MA	R	35	04	62	J	015300	4100303	
C	4200002			SUN GATE ASSY			U JPL	MA	R	35	06	61	J	040200	4100310	
D	4200003	B		SUPPORT PAOTO CELL	*		U JPL	MA	R	34	09	62	J	040300	4200002	
C	4200004	A		SHIELD LIGHT # 1	*		U JPL	MA	R	34	10	62	J	040400	4200002	
C	4200005	A		SHIELD LIGHT # 2	*		U JPL	MA	R	34	10	62	J	040500	4200002	
D	4200006	B		TB ASSY			U JPL	MA	R	34	08	62	J	040600	4200002	
D	4200006	B		TB ASSY			U JPL	MA	R	34	07	62	J	046700	4200666	
D	4200025	B		SCHEMATIC			U JPL	MA	R	34	08	62	J	083400	4200033	
A	4200028	A		VALVE STEM	*		U JPL	MA	R	34	11	61	J	011020	3151960	
J	4200033	D		ACCELEROMETER 7A3	*		U JPL	MA	R	35	12	62	J	082800	4900501	
J	4200034	B		CB			U JPL	MA	R	34	08	62	J	083700	4200033	
D	4200035	A		ART WORK CB1			U JPL	MA	R	34	08	62	J	083900	4200034	
D	4200036	A		CB			U JPL	MA	R	34	08	62	J	084000	4200033	
D	4200037	A		ART WORK CB2			U JPL	MA	R	34	09	61	J	083600	4200025	
J	4200038	B		SUBCHASSIS			U JPL	MA	R	34	08	61	J	084100	4200033	
D	4200042	A		PLATE RETAINER			U JPL	MA	R	34	06	61	J	040700	4200002	
D	4200044	A		SHELL NITROGEN TANK	*		U JPL	MA	R	34	11	62	J	041010	4200588	
D	4200045	D		SCHEMATIC DIA			U JPL	MA	R	34	08	61	J	085200	4200048	
D	4200045	D		SCHEMATIC DIA			U JPL	MA	R	34	08	61	J	084900	4200052	
B	4200046	B		TRANSFORMER			U JPL	MA	R	34	07	61	J	085000	4200053	
D	4200048	A		CB1			U JPL	MA	R	34	09	61	J	085100	4200052	
D	4200049	A		CB2			U JPL	MA	R	34	08	61	J	085400	4200053	
D	4200050	C		PC TB 1			U JPL	MA	R	34	02	62	J	085300	4200048	
J	4200051	D		PC TB2			U JPL	MA	R	34	02	62	J	085600	4200049	
D	4200052	C		SUBCHASSIS ASSY			U JPL	MA	R	34	05	62	J	085800	4200053	
D	4200053	B		CELEST RELAYS 7A19			U JPL	MA	R	34	08	61	J	084400	4900501	
D	4200138			HOLDER ASSY MANUEVER			U JPL	MA	R	34	05	61	J	092200	4200521	
C	4200168			RELAY STRAP			U JPL	MA	R	34	05	61	J	088800	4200503	
C	4200168			RELAY STRAP			U JPL	MA	R	34	05	61	J	094700	4200533	
B	4200263	B		XFORMER PWR CONVERTR			U JPL	MA	R	34	06	62	J	099900	4200563	
J	4200300	D		GYRO CONT SUBASY 7A2	*		U JPL	MA	R	34	08	62	J	086010	4900501	
J	4200301	C		SUBCHASSIS GYRO	*		U JPL	MA	R	34	09	62	J	086016	4100300	
D	4200302	B		CAPACITOR SUBASSY 1	*		U JPL	MA	R	34	10	62	J	086018	4200300	
D	4200303	C		CAPACITOR SUBASSY #2	*		U JPL	MA	R	34	10	62	J	086025	4200300	
B	4200304	B		STANDOFF SPACER #1	*		U JPL	MA	R	34	10	62	J	086026	4200300	
B	4200305	B		STANDOFF SPACER #2	*		U JPL	MA	R	34	10	62	J	086027	4200300	
J	4200306	C		CB1 ASSY	*		U JPL	MA	R	34	09	62	J	086030	4200300	

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								REPROD	THRU REV		NO.	YY				
A	4200306	PL	C	CB1 GYRO CONTROL	*		U JPL	MA	R	34	09	62	J	086032	4200306	
J	4200307		C	CB1 PRINTED CIRCUITY	*		U JPL	MA	R	34	09	62	J	086034	4200306	
J	4200308		C	CB 2 ASSY	*		U JPL	MA	R	34	10	62	J	086036	4200300	
A	4200308	PL	C	CB2 GYRO CONTROL	*		U JPL	MA	R	34	09	62	J	086038	4200308	
J	4200309		D	CB 2 PRINTED CIRCUITY	*		U JPL	MA	R	34	10	62	J	086040	4200308	
J	4200310		D	CB 3 ASSY	*		U JPL	MA	R	34	10	62	J	086042	4200300	
A	4200310	PL	D	CB3 GYRO CONTROL	*		U JPL	MA	R	34	10	62	J	086044	4200310	
J	4200311		D	CB 3 PRINTED CIRCUITY	*		U JPL	MA	R	34	10	62	J	086046	4200310	
J	4200312		D	CB4 ASSY			U JPL	MA	R	34	10	62	J	086048	4200300	
J	4200312		D	CB4 ASSY			U JPL	MA	R	34	10	62	J	086050	4200312	
J	4200325		C	SCHEMATIC DIA			U JPL	MA	R	34	01	62	J	087000	4200352	
B	4200348		A	TRANSFORMER			U JPL	MA	R	35	07	61	J	085900	4200053	
D	4200350		B	SWITCH AMPL SUBCHASS			U JPL	MA	R	34	09	61	J	086500	4200351	
D	4200351		B	SW AMPL LOGIC 7A18			U JPL	MA	R	34	02	62	J	086100	4900501	
J	4200352		B	CKT BD 1 ASSY SW AMP			U JPL	MA	R	34	02	62	J	086600	4200351	
A	4200352	PL	B	CB1 SW AMPLFIR LOGIC			U JPL	MA	R	34	02	62	J	087100	4200352	
J	4200353		B	CB1 PC SW AMPL&LOGIC			U JPL	MA	R	34	02	62	J	087200	4200352	
J	4200354		B	CKT BD SW AMPL			U JPL	MA	R	34	02	62	J	087300	4200351	
A	4200354	PL	B	CB2 SW AMPLFIR LOGIC			U JPL	MA	R	34	02	62	J	087400	4200354	
J	4200355		A	CB2 PC SW AMPLIFIER			U JPL	MA	R	34	09	61	J	087500	4200354	
D	4200368		C	ATT CONTROL GYRO 7A1	*		U JPL	MA	R	35	12	62	J	201300	4900502	
J	4200369		A	GYRO SUBCHASSIS ASSY			U JPL	MA	R	34	12	61	J	201400	4200368	
B	4200370		TRANSFORMER				U JPL	MA	R	34	07	61	J	086000	4200053	
D	4200381		A	INTEGRATING GYRO ASY			U JPL	MA	R	34	12	61	J	201600	4200368	
D	4200393		A	CONTROL GYRO SCHEM			U JPL	MA	R	34	12	61	J	201700	4200368	
D	4200393		A	CONTROL GYRO SCHEM			U JPL	MA	R	34	12	61	J	201900	4200394	
J	4200394		A	CB1 ATTITUDE CONT			U JPL	MA	R	34	12	61	J	201800	4200368	
A	4200394	PL	A	CB1 ATTITUDE CONTROL			U JPL	MA	R	34	12	61	J	202000	4200394	
J	4200395		A	PC			U JPL	MA	R	34	12	61	J	202100	4200394	
D	4200396		B	CB2 ATTITUDE CONTROL			U JPL	MA	R	34	01	62	J	202300	4200368	
J	4200397		B	CB2 PC ATTITUDE CONT			U JPL	MA	R	34	01	62	J	202400	4200396	
B	4200399		A	INDUCTOR CONT GYRO			U JPL	MA	R	34	12	61	J	202200	4200394	
D	4200405		B	CELEST RELAYS & PWR	*		U JPL	MR62		34	05	62	J		4900501	
J	4200408		G	SCHEMATIC LONG RANGE	*		U JPL	MA	R	34	02	63	J	047400	4200596	
J	4200408		G	SCHEMATIC LONG RANGE	*		U JPL	MA	R	34	02	63	J	049200	4200417	
J	4200408		G	SCHEMATIC LONG RANGE	*		U JPL	MA	R	34	02	63	J	048300	4200412	
J	4200408		G	SCHEMATIC LONG RANGE	*		U JPL	MA	R	34	02	63	J	047900	4200409	
A	4200409	PL	C	CB4 PRE-AMP & PULSE	*		U JPL	MA	R	34	11	62	J	048000	4200409	
J	4200409		A	CB4 PRE-AMP & PULSE	*		U JPL	MA	R	34	02	63	J	047600	4200410	
C	4200410		A	CB1&CB4 SUBASSEMBLY	*		U JPL	MA	R	34	02	62	J	047500	4200596	

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								MAJOR	MINOR		NO.	DATE			
J	4200411			CB4 PC PREAMP & PULS	*	U	JPL	MA	R	34	01	62	J	048100	4200409
J	4200412			CB1 HIGH VOLT & LOW	*	U	JPL	MA	R	34	02	63	J	048200	4200410
A	4200412	PL	A	CB1 HIGH VOLT & LOW		U	JPL	MA	R	34	03	62	J	048400	4200412
J	4200413			CB1 PC HI VOLT & LOW		U	JPL	MA	R	34	01	62	J	048500	4200412
J	4200414			CB2 ASSY PULSE DEMOD	*	U	JPL	MA	R	34	02	63	J	048800	4200415
A	4200414	PL	A	CB2 ASSY PULSE DEMOD		U	JPL	MA	R	34	01	62	J	048900	4200414
C	4200415			CB2&CB3 SUBASSEMBLY		U	JPL	MA	R	34	03	62	J	048700	4200596
J	4200416			CB2 PC PULSE DEMOD		U	JPL	MA	R	34	01	62	J	049000	4200414
J	4200417			CB3 REED DRIVE ELECT	*	U	JPL	MA	R	34	02	63	J	049100	4200415
A	4200417	D	A	CB3 REED DRIVE ELECT		U	JPL	MA	R	34	11	62	J	049300	4200417
J	4200418			CB3 PC REED DRIVE		U	JPL	MA	R	34	01	62	J	049400	4200417
J	4200419		E	SCHEMATIC DIAGRAM		U	JPL	MA	R	35	03	62	J	104000	4200580
J	4200419		E	SCHEMATIC DIAGRAM		U	JPL	MA	R	35	03	62	J	104200	4200581
J	4200419		E	SCHEMATIC DIAGRAM		U	JPL	MA	R	35	03	62	J	104800	4200582
J	4200419		E	SCHEMATIC DIAGRAM		U	JPL	MA	R	35	03	62	J	105400	4200618
J	4200419		E	SCHEMATIC DIAGRAM		U	JPL	MA	R	35	03	62	J	106000	4200628
J	4200419		E	SCHEMATIC DIAGRAM		U	JPL	MA	R	35	03	62	J	106400	4200637
J	4200419		E	SCHEMATIC DIAGRAM		U	JPL	MA	R	35	03	62	J	106700	4200649
J	4200500		B	SCHEM LAUNCH COUNTER		U	JPL	MA	R	34	08	62	J	090000	4200502
J	4200500		B	SCHEM LAUNCH COUNTER		U	JPL	MA	R	34	08	62	J	088900	4200502
J	4200501		B	CB1 ASSY LAUNCH CNTR		U	JPL	MA	R	34	08	62	J	089000	4200503
A	4200501	PL	A	CB1 LAUNCH COUNTER		U	JPL	MA	R	34	08	62	J	089400	4200501
J	4200502		B	CB2 ASSY LAUNCH CTR		U	JPL	MA	R	34	08	62	J	089600	4200503
A	4200502	PL	A	CB2 LAUNCH COUNTER		U	JPL	MA	R	34	08	62	J	090100	4200502
D	4200503		B	LAUNCH COUNTER 5A2		U	JPL	MA	R	34	08	62	J	088300	4900501
D	4200504		A	SUBCHASS LAUNCH COUT		U	JPL	MA	R	34	08	62	J	090300	4200503
J	4200505		A	CB1 PC LAUNCH COUNTR		U	JPL	MA	R	34	08	62	J	089500	4200501
J	4200506		A	CB2 PC LAUNCH COUNTR		U	JPL	MA	R	34	08	62	J	090200	4200502
J	4200510		B	CENTRAL CLOCK SCHEM		U	JPL	MA	R	34	07	62	J	091300	4200511
J	4200510		B	CENTRAL CLOCK SCHEM		U	JPL	MA	R	34	07	62	J	092000	4200512
J	4200510		B	CENTRAL CLOCK SCHEM		U	JPL	MA	R	34	08	62	J	090700	4200513
J	4200511		B	CB1 ASSY CENTRAL CLK		U	JPL	MA	R	34	08	62	J	090800	4200513
A	4200511	PL	A	CB1 CENTRAL CLOCK		U	JPL	MA	R	34	08	62	J	091400	4200511
J	4200512		B	CB2 ASSY CENT CLOCK		U	JPL	MA	R	34	08	62	J	091600	4200513
A	4200512	PL	A	CB2 CENTRAL CLOCK		U	JPL	MA	R	34	08	62	J	092100	4200512
D	4200513		C	CENTRAL CLOCK 5A1		U	JPL	MA	R	34	08	62	J	090400	4900501
D	4200514		A	SUBCHAS CENTRAL CLCK		U	JPL	MA	R	34	08	62	J	092300	4200513
J	4200515		B	PC CB1 CENTRAL CLOCK		U	JPL	MA	R	34	08	62	J	091500	4200511
J	4200516		A	CB2 PC CENTRAL CLOCK		U	JPL	MA	R	34	08	62	J	092200	4200512
J	4200520		B	MANEUVER CLOCK SCHEM		U	JPL	MA	R	34	08	62	J	093400	4200521

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								MAJOR	THIRD SEC.		NO.	DATE			
J	4200520		B	MANEUVER CLOCK SCHEM		U	JPL	MA	R	34	08	62	J	094000	4200522
J	4200520		B	MANEUVER CLOCK SCHEM		U	JPL	MA	R	34	08	62	J	092900	4200523
J	4200521		B	CB1 ASSY MANEUVR CLCK		U	JPL	MA	R	34	08	62	J	093000	4200523
A	4200521	PL	B	CB1 MANEUVER CLOCK		U	JPL	MA	R	34	08	62	J	093500	4200521
J	4200522		B	CB2 ASSY MANEUVR CLCK		U	JPL	MA	R	34	08	62	J	093700	4200523
A	4200522	PL	B	CB2 MANEUVER CLOCK		U	JPL	MA	R	34	08	62	J	094100	4200522
D	4200523		B	MANEUVER CLOCK 5A4		U	JPL	MA	R	34	08	62	J	092400	4900501
D	4200524		A	SUBCHASS MANEUVER		U	JPL	MA	R	34	08	62	J	094300	4200523
J	4200525		A	CB1 PC MANEUVER DUR		U	JPL	MA	R	34	08	62	J	093600	4200521
J	4200526		A	PC CB2 MANEUVR CLCK		U	JPL	MA	R	34	08	62	J	094200	4200522
J	4200530		C	ADDRESS REG SCHEM		U	JPL	MA	R	34	08	62	J	095100	4200531
J	4200530		C	ADDRESS REG SCHEM		U	JPL	MA	R	34	08	62	J	095700	4200532
J	4200530		B	ADDRESS REG SCHEM		U	JPL	MA	R	34	07	62	J	094800	4200533
J	4200531		A	CB1 ASSY MANEUVR DUPT		U	JPL	MA	R	34	08	62	J	094900	4200533
A	4200531	PL	B	CB1 ADDRESS REGISTER		U	JPL	MA	R	34	08	62	J	095200	4200531
J	4200532		A	CB2 ADDRESS REGISTER		U	JPL	MA	R	34	08	62	J	095400	4200533
A	4200532	PL	C	CB2 ADDRESS REGISTER		U	JPL	MA	R	34	08	62	J	095800	4200532
D	4200533		C	ADDRESS REGIS 5A6		U	JPL	MA	R	34	08	62	J	094400	4900501
D	4200534		A	SUBCHASSIS ADD REG		U	JPL	MA	R	34	08	62	J	096000	4200533
J	4200535		A	CB1 PC MD OUTPUT		U	JPL	MA	R	34	08	62	J	095300	4200531
J	4200536		A	CB2 PC MD OUTPUT		U	JPL	MA	R	34	08	62	J	095900	4200532
D	4200537		C	SUBCHASS END COUNTER		U	JPL	MA	R	34	08	62	J	101900	4200573
J	4200538		D	CB1 ASSY END COUNTER		U	JPL	MA	R	34	08	62	J	102000	4200573
A	4200538	PL	D	CB1 END COUNTER		U	JPL	MA	R	34	08	62	J	102200	4200538
J	4200539		D	CB2 ASSY END COUNTER		U	JPL	MA	R	34	08	62	J	102600	4200573
A	4200539	PL	B	CB2 END COUNTER		U	JPL	MA	R	34	08	62	J	102800	4200539
J	4200540		B	MANEUVER DUR SCHEM		U	JPL	MA	R	34	08	62	J	096900	4200541
J	4200540		B	MANEUVER DUR SCHEM		U	JPL	MA	R	34	08	62	J	097500	4200542
J	4200540		B	MANEUVER DUR SCHEM		U	JPL	MA	R	34	08	62	J	096400	4200543
J	4200541		B	CB1 ASSY MANEUVR DUR		U	JPL	MA	R	34	08	62	J	096500	4200543
A	4200541	PL	B	CB1 MANEUVER DURATON		U	JPL	MA	R	34	08	62	J	097000	4200541
J	4200542		B	CB2 ASSY MANEUVR DUR		U	JPL	MA	R	34	08	62	J	097200	4200543
A	4200542	PL	B	CB2 MANEUVER DURATON		U	JPL	MA	R	34	08	62	J	097600	4200542
D	4200543		B	MANEUVER DURAT 5A5		U	JPL	MA	R	34	08	62	J	096100	4900501
D	4200544		A	SUBCHASS MANEUVER		U	JPL	MA	R	34	08	62	J	097800	4200543
J	4200545		A	CB1 PC MANEUVR DURAT		U	JPL	MA	R	34	08	62	J	097100	4200541
J	4200546		A	CB2 PC MANEUVER DUR		U	JPL	MA	R	34	08	62	J	097700	4200542
J	4200550		B	INPUT DECODER SCHEM		U	JPL	MA	R	34	08	62	J	098600	4200551
J	4200550		B	INPUT DECODER SCHEM		U	JPL	MA	R	34	08	62	J	099100	4200552
J	4200550		B	INPUT DECODER SCHEM		U	JPL	MA	R	34	08	62	J	098200	4200553

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								SERIAL	THRU SER					
J	4200551			CB1 ASSY INPUT DECOD	U	JPL	MA R			34	08 162	J	098300	4200553
A	4200551	PL	B	CB1 INPUT DECODER	U	JPL	MA R			34	08 162	J	098700	4200551
J	4200552			CB2 ASSY INPT DECODR	U	JPL	MA R			34	08 162	J	098900	4200553
A	4200552	PL	B	CB2 INPUT DECODER	U	JPL	MA R			34	08 162	J	099200	4200552
D	4200553			INPUT DECODER 5A7	U	JPL	MA R			34	08 162	J	097900	4900501
D	4200554			SUBCHAS INPUT DECODE	U	JPL	MA R			34	08 162	J	099400	4200553
J	4200555			CB1 PC INPUT DECODER	U	JPL	MA R			34	08 162	J	098800	4200551
J	4200556			CB2 PC INPUT DECODER	U	JPL	MA R			34	08 162	J	099300	4200552
D	4200557			CB2 XFORMER RECT	U	JPL	MA R			34	08 162	J	100000	4200563
A	4200557	PL	B	CB2 TRANSFORMER RECT	U	JPL	MA R			34	08 162	J	100100	4200557
B	4200558			TRANSFLUXOR TM10	U	JPL	MA R			34	08 162	J	103250	4200573
J	4200559			CB2 PC XFMR RECTIF	U	JPL	MA R			34	08 162	J	100200	4200557
D	4200560			XFORMER RECT SCHEM	U	JPL	MA R			34	08 162	J	100300	4200557
D	4200560			TRANSFORMER SCHEM	U	JPL	MA R			34	08 162	J	100400	4200563
D	4200561			CB1 XFORMER RECTIFIER	U	JPL	MA R			34	08 162	J	100500	4200563
A	4200561	PL	B	CB1 TRANSFORMER RECT	U	JPL	MA R			34	08 162	J	100600	4200561
J	4200562			CB1 PC XFMR RECTIF	U	JPL	MA R			34	08 162	J	100700	4200561
D	4200563			XFORMER RECT 5A8	U	JPL	MA R			34	01 162	J	099500	4900501
D	4200564			SUBCHAS XFORMER RECT	U	JPL	MA R			34	08 162	J	100800	4200563
B	4200565			BRACKET DIODE XMFR	U	JPL	MA R			34	01 162	J	100900	4200563
C	4200566			STRAP RELAY CC65	U	JPL	MA R			34	08 162	J	101000	4200563
B	4200567			INDUCTOR XMFR RECT	U	JPL	MA R			34	01 162	J	101100	4200563
B	4200568			INSULATION BD XMFR	U	JPL	MA R			34	01 162	J	101200	4200563
B	4200569			INDUCTOR BRKT XFORME	U	JPL	MA R			34	08 162	J	101300	4200563
J	4200570			END COUNTER SCHEM	U	JPL	MA R			34	08 162	J	102400	4200566
J	4200570			END COUNTER SCHEM	U	JPL	MA R			34	08 162	J	102900	4200566
J	4200570			END COUNTER SCHEM	U	JPL	MA R			34	08 162	J	103000	4200573
J	4200571			CB1	U	JPL	MA R			34	08 162	J	102500	4200566
J	4200572			CB2 PC END COUNTER	U	JPL	MA R			34	08 162	J	102910	4200566
A	4200573			END COUNTER 5A3	U	JPL	MA R			34	08 162	J	101400	4900501
A	4200573	PL2	C	CB1 END COUNTER	U	JPL	MA R			34	07 162	J	103100	4200573
A	4200573	PL5	A	CB2 END COUNTER	U	JPL	MA R			34	01 162	J	103200	4200573
B	4200574			TRANSFLUXOR TM7	U	JPL	MA R			34	08 162	J	103255	4200573
B	4200575			TRANSFLUXOR TM8	U	JPL	MA R			34	08 162	J	103300	4200573
B	4200576			TRANSFLUXOR TM9	U	JPL	MA R			34	08 162	J	103400	4200573
D	4200578			TB1 PYROTECHNIC CONT	U	JPL	MA R			35	01 162	J	104300	4200581
J	4200579			CB2 PC PYROTECHNIC	U	JPL	MA R			35	01 162	J	104900	4200582
J	4200580			PYROTECHNIC CONT 8A1	U	JPL	MA R			35	04 162	J	103500	4200581
J	4200581			CB1 ASSY PYROTECHNIC	U	JPL	MA R			35	01 162	J	104100	4200580
J	4200582			CB2 PYROTECHNIC CONT	U	JPL	MA R			35	04 162	J	104200	4200580

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								SERIAL	THRU SER					
C	4200582	PL	A	PYROTECHNIC CONT CB2	U	JPL	MA R			35	04 162	J	105000	4200582
C	4200584			BLOCK RELAY PYROTECH	U	JPL	MA R			35	12 161	J	105100	4200580
J	4200585			SUBCHASS PYRO CONT	U	JPL	MA R			35	04 162	J	105200	4200580
J	4200588			PIPING ATTITUDE INST	U	JPL	MA R			34	04 162	J	040600	4100310
J	4200589			BRKT SUPPORT	* U	JPL	MA R			34	09 162	J	041100	4200588
D	4200590			RING SPT BRKT NITROG	U	JPL	MA R			34	11 161	J	041200	4200589
D	4200591			PLATE SPT BRKT NITRO	U	JPL	MA R			34	11 161	J	041300	4200589
D	4200592			VALVE REGULATOR ASSY	U	JPL	MA R			34	11 161	J	041400	4200588
D	4200593			BRACKET VALVE REGUL	U	JPL	MA R			34	11 161	J	041500	4200592
C	4200594			TEE SOCKET WELD SPEC	U	JPL	MA R			34	11 161	J	041600	4200592
C	4200595			BRACKET SUP YAW JETS	U	JPL	MA R			34	04 162	J	015400	4100303
J	4200596			ELECTRONIC ASSY	U	JPL	MA R			34	08 162	J	047300	4800370
C	4200597			MAGNETIC SHIELD	U	JPL	MA R			34	01 162	J	048600	4200410
C	4200597			MAGNETIC SHIELD	U	JPL	MA R			34	01 162	J	049500	4200412
C	4200598			L V TRANSFORMER MTG	U	JPL	MA R			34	01 162	J	049600	4200596
C	4200599			H.V. TRANSFORMER MTG	U	JPL	MA R			34	01 162	J	049700	4200596
J	4200600			GEAR TRAIN ANT DRIVE	U	JPL	MA R			34	02 162	J	043900	4100310
B	4200601			GEAR SPUR MOTOR ANT	U	JPL	MA R			34	10 161	J	046100	4200600
C	4200603			ELBOW SOCKET WELD	U	JPL	MA R			34	11 161	J	042200	4200588
C	4200604			ELBOW SIDE OUTLET	U	JPL	MA R			34	11 161	J	042300	4200588
D	4200605			MANIF 3 VALVE CONT	* U	JPL	MA R			34	10 162	J	042400	4200588
C	4200606			MANIFOLD 2 VALVE DWG	* U	JPL	MA R			34	10 162	J	042500	4200588
C	4200607			TUBE FILL CONNECTION	U	JPL	MA R			34	11 161	J	041700	4200592
C	4200608			TUBE TRANSDUCER CONN	U	JPL	MA R			34	12 161	J	041800	4200592
C	4200610			TEE SOCKET WELD	U	JPL	MA R			34	11 161	J	041900	4200592
C	4200611			SLEEVE SOCKET WELD	U	JPL	MA R			34	11 161	J	042600	4200588
C	4200612			SLEEVE SOCKET WELD	U	JPL	MA R			34	11 161	J	042000	4200592
C	4200613			ELBOW SOCKET WELD HP	U	JPL	MA R			34	11 161	J	042700	4200588
D	4200614			SPIDER ASSY BRAZEMT	U	JPL	MA R			34	11 161	J	042800	4200588
C	4200615			FLANGE 3 BOLT	U	JPL	MA R			34	11 161	J	042900	4200588
D	4200616			MANIFOLD VALVE	U	JPL	MA R			34	11 161	J	042100	4200592
C	4200617			TB3 PYROTECHNIC CONT	U	JPL	MA R			35	01 162	J	105300	4200616
C	4200618			CB3 ASSY PYROTECHNIC	U	JPL	MA R			35	01 162	J	105300	4200580
C	4200619			TB5 PYROTECHNIC CONT	U	JPL	MA R			35	12 161	J	105700	4200580
C	4200620			HOSE METAL FLEX ASSY	U	JPL	MA R			34	11 161	J	043000	4200588
D	4200624			NOZZLE JET	* U	JPL	MA R			34	11 162	J	043100	4200588
D	4200625			SPACE THERMAL	U	JPL	MA R			34	11 161	J	043200	4200588
C	4200627			TB4 PYROTECHNIC CONT	U	JPL	MA R			35	01 162	J	105100	4200628
C	4200628			CB4 ASSY PYROTECHNIC	U	JPL	MA R			35	01 162	J	105900	4200580
C	4200629			SLEEVE SOCKET WELD	U	JPL	MA R			34	11 161	J	043300	4200588

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						REV	THRU REV.					
D	4200630		SHIELD REG WELDMENT	*	U JPL	MA	R	34	11 62	J	043400	4200588
D	4200631		SHIELD REG L WR WELD		U JPL	MA	R	34	01 62	J	043800	4200588
D	4200633		FRAME SHIELD REGULAT		U JPL	MA	R	34	01 62	J	043500	4200630
C	4200634		COVER FR SHIELD REG		U JPL	MA	R	34	04 62	J	043600	4200630
C	4200635		COVER TOP SHIELD REG	*	U JPL	MA	R	34	11 62	J	043700	4200630
C	4200636		TB6 PYROTECHNIC CONT		U JPL	MA	R	35	01 62	J	106500	4200637
C	4200637		CB6 ASSY		U JPL	MA	R	35	01 62	J	106300	4200580
C	4200638		TB SW AMPLIFIER LOGIC		U JPL	MA	R	34	02 62	J	087700	4200639
C	4200638		TB SW AMPLIFIER LOGIC		U JPL	MA	R	34	02 62	J	087900	4200640
C	4200638		TB SW AMPLIFIER LOGIC		U JPL	MA	R	34	02 62	J	088100	4200641
C	4200639		CKT BD 3 ASSY SW AMP		U JPL	MA	R	34	02 62	J	087600	4200351
C	4200640		CB4SW AMPLIFIER LOGIC		U JPL	MA	R	34	02 62	J	087800	4200351
C	4200641		CKT BD 5 SW AMPL		U JPL	MA	R	34	02 62	J	088000	4200351
C	4200642		COVER ALIGNMENT	*	U JPL	MA	R	35	12 62	J	107000	4900501
C	4200643		LATCHING COLLAR		U JPL	MA	R	35	05 62	J	046900	4200820
D	4200647		CLUTCH SLIP ANT DRVE		U JPL	MA	R	34	02 62	J	046200	4200600
C	4200648		TERMINAL BOARD 7		U JPL	MA	R	35	04 62	J	106800	4200649
D	4200649		CB #1 PYROTECH CONT		U JPL	MA	R	35	04 62	J	106600	4200580
B	4200655		SPACER PYROTECHNIC		U JPL	MA	R	35	04 62	J	106900	4200580
C	4200666		A SENSOR ASSY PRIMARY		U JPL	MA	R	34	07 62	J	046300	4100310
D	4200668		A SEC SUN SENSOR		U JPL	MA	R	34	05 62	J	001800	4100306
D	4200669		A BRACKET SEC SUN SENS		U JPL	MA	R	34	05 62	J	001900	4200668
D	4200670		A MASK		U JPL	MA	R	34	05 62	J	002100	4200671
D	4200671		A CELL ASSEMBLY E E	*	U JPL	MA	R	34	12 62	J	002000	4200668
D	4200672		A TB SECONDARY SUN SEN		U JPL	MA	R	34	05 62	J	002200	4200668
C	4200673		A SUN SENSOR ASSEMBLY	*	U JPL	MA	R	34	12 62	J	002300	4100306
C	4200820		ARMING SWITCH ASSY		U JPL	MA	R	35	05 62	J	046800	4100310
B	4200821		LANYARD ARMING SW		U JPL	MA	R	35	05 62	J	047000	4200820
D	4200822		A HOUSING PHOTOMULTPLR	*	U JPL	MA	R	34	02 63	J	051900	4800369
C	4200823		STEM RESISTOR BLOCK		U JPL	MA	R	34	06 62	J	052100	4200826
C	4200824		A UPPER TERMINAL PLATE	*	U JPL	MA	R	34	02 63	J	052200	4200826
C	4200825		A LOWER TERMINAL PLATE	*	U JPL	MA	R	34	02 63	J	052300	4200826
C	4200826		D PHOTOMULT TUBE ASSY	*	U JPL	MA	R	34	02 63	J	052000	4200822
C	4200827		A COIL ASSEMBLY	*	U JPL	MA	R	34	02 63	J	053200	4800369
D	4200828		A MAGNET ASSEMBLY	*	U JPL	MA	R	34	02 63	J	053400	4800369
D	4200829		A BASE COIL	*	U JPL	MA	R	34	02 63	J	53300	4200827
C	4200830		SCREW RAIL		U JPL	MA	R	34	06 62	J	053500	4800369
C	4200831		RAIL		U JPL	MA	R	34	06 62	J	053700	4800369
C	4200832		HOUSING LENS		U JPL	MA	R	34	06 62	J	050900	4200848
C	4200833		SHADE LIGHT		U JPL	MA	R	34	06 62	J	051000	4200848

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C	4200834		BRACKET TRANSDUCER		U JPL	MA	R	34	06 62	J	053800	4800369
C	4200836		BRACKET CONNECTOR		U JPL	MA	R	34	06 62	J	049800	4200596
C	4200837		BRACKET BOARD ATTACH		U JPL	MA	R	34	06 62	J	049900	4200596
D	4200838		REED CHOPPER DRIVE		U JPL	MA	R	34	06 62	J	053900	4800369
C	4200839		NUTPLATE CONNECTOR		U JPL	MA	R	34	06 62	J	050100	4200596
C	4200840		SPACER LENS		U JPL	MA	R	34	06 62	J	050600	4800370
C	4200841		FRAME CHOPPER&COIL		U JPL	MA	R	34	06 62	J	054000	4800369
D	4200842		CHOPPER	*	U JPL	MA	R	34	02 63	J	054100	4800369
D	4200843		MOUNT REEDS		U JPL	MA	R	34	06 62	J	054200	4800369
C	4200844		BEARING PLATE REEDS		U JPL	MA	R	34	06 62	J	054300	4800369
C	4200845		PICKOFF		U JPL	MA	R	34	06 62	J	054600	4200852
J	4200846		A COVER BRAZEMENT		U JPL	MA	R	34	08 62	J	050200	4200596
D	4200847		HOUSING CHOPPER DRVE		U JPL	MA	R	34	06 62	J	054400	4800369
C	4200848		LENS ASSY		U JPL	MA	R	34	06 62	J	050800	4800370
C	4200849		STANDOFF BOARD MOUNT		U JPL	MA	R	34	06 62	J	050400	4200596
D	4200850		HOUSING PHOTOMULTPLR	*	U JPL	MA	R	34	02 63	J	052400	4200822
C	4200852		METRISITE REWORK		U JPL	MA	R	34	06 62	J	054500	4800369
C	4200853		NUTPLATE LENS		U JPL	MA	R	34	06 62	J	051100	4800370
B	4200855		WINDOW PHOTOMULTIPLR		U JPL	MA	R	34	06 62	J	052500	4200822
B	4200856		INSULATING CUP		U JPL	MA	R	34	06 62	J	052600	4200822
B	4200857		WASHER PHOTOMULTIPLR		U JPL	MA	R	34	06 62	J	052700	4200822
C	4200858		SHIELD		U JPL	MA	R	34	06 62	J	052800	4800822
C	4200859		INSULATOR PHOTOMULT		U JPL	MA	R	34	06 62	J	052900	4200822
C	4200860		CAP PHOTOMULTIPLIER		U JPL	MA	R	34	06 62	J	053000	4200822
C	4200861		MOUNT MAGNET		U JPL	MA	R	34	06 62	J	054700	4800369
C	4200862		SPEC SHIELD INSTL		U JPL	MA	R	34	06 62	J	053100	4200822
C	4200863		LOCATOR BASE		U JPL	MA	R	34	06 62	J	051200	4800370
B	4200864		ADJUSTING SCREW		U JPL	MA	R	34	06 62	J	054800	4800369
C	4200865		PLUG POT ADJUST HOLE	*	U JPL	MA	R	34	06 62	J		
J	4200866		OUTLINE		U JPL	MA	R	34	06 62	J	051400	4800370
C	4200868		LENS COVER		U JPL	MA	R	34	06 62	J	051500	4800370
J	4200872		CASE LONG RANGE		U JPL	MA	R	34	06 62	J	051600	4800370
C	4200873		STRAP RAIL		U JPL	MA	R	34	06 62	J	054900	4800369
J	4201036		A GYRO CONTROL SCHEM	*	U JPL	MA	R	34	10 62	J	086053	4200300
J	4201037		CB4 PRINTED CIRCUITY	*	U JPL	MA	R	34	09 62	J	086052	4200312
A	4201038		ENCAPSULATING CAP	*	U JPL	MA	R	34	09 62	J	086054	4200300
A	4201038		ENCAPSULATING CAP	*	U JPL	MA	R	34	09 62	J	086020	4200302
A	4201038		ENCAPSULATING CAP	*	U JPL	MA	R	34	09 62	J	086024	4200303
B	4201039		SLEEVE INSULATOR	*	U JPL	MA	R	34	09 62	J	086056	4200300
B	4201040		WASHER INSULATOR	*	U JPL	MA	R	34	09 62	J	086058	4200300

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
B	4201041		B	SLEEVE INSULATOR	*	U	JPL	MA	R	34	09	62	J	086060	4100300		
B	4201042		A	WASHER INSULATOR	*	U	JPL	MA	R	34	09	62	J	086062	4100300		
D	4201043		A	BLK DIAG DWG	*	U	JPL	MA	R	34	11	62	J	043840	4200588		
B	4201044			BUSHING BOTTLE BRCKT	*	U	JPL	MA	R	38	10	62	J	043850	4200588		
D	4300187		C	TRANSPONDER 2A1		U	JPL	MA	R	35	01	62	J	107100	4900501		
D	4300188		C	TRANSPONDER 2A2		U	JPL	MA	R	35	01	62	J	121700	4900501		
D	4300194		A	FILTER SUBASSY 2A9		U	JPL	MA	R	35	11	62	J	129200	4900501		
D	4300204		C	AUTO PILOT 7A4 SUBAY	*	U	JPL	MA	R	35	12	62	J	131000	4900501		
D	4300205		C	ANTENNA & SERVO 7A13	*	U	JPL	MA	R	35	12	62	J	132000	4900501		
D	4400000			SUBCHASSIS	*	U	JPL	MA	R	35	02	61	J	143406	4400004		
C	4400002		F	PWR SUP 2.4KC SCHEM	*	U	JPL	MA	R	34	03	62	J	143404	4400003		
D	4400003		E	2400CPS PWR AMPL 4A9	*	U	JPL	MA	R	34	03	62	J	143401	4400204		
D	4400004		D	SUBCHASSIS PWR SUP	*	U	JPL	MA	R	34	03	62	J	143405	4400003		
B	4400005			POWER XFMR T-1	*	U	JPL	MA	R	34	04	61	J	143407	4400003		
D	4400007		H	BOOSTER REGULAT SCHEM		U	JPL	MA	R	34	01	62	J	134300	4400011		
D	4400007		H	SCHEMATIC DIAG		U	JPL	MA	R	34	01	62	J	134900	4400013		
C	4400007		H	SCHEMATIC DIAGRAM		U	JPL	MA	R	34	01	62	J	135300	4400086		
B	4400009			INDUCTOR		U	JPL	MA	R	35	05	61	J	134400	4400011		
B	4400010		C	POWER XFMR T3		U	JPL	MA	R	34	10	61	J	134500	4400011		
D	4400011		D	BOOSTER REGULATOR		U	JPL	MA	R	34	12	61	J	133700	4900501		
D	4400012		K	CHASS BOOSTER REG	*	U	JPL	MA	R	34	09	62	J	134600	4400011		
B	4400013		A	CAPACITOR SUBASSY		U	JPL	MA	R	34	07	61	J	134700	4400011		
C	4400014			CHASSIS		U	JPL	MA	R	35	05	61	J	135000	4400013		
D	4400015		B	COVER		U	JPL	MA	R	34	06	61	J	135100	4400011		
D	4400016		E	SUBCHASS BATT CHARGE		U	JPL	MA	R	34	09	61	J	141800	4400042		
D	4400017		E	400 CY PWR SUP SCHEM		U	JPL	MA	R	35	03	62	J	136000	4400018		
D	4400017		E	400 CY PWR SUP SCHEM		U	JPL	MA	R	35	03	62	J	136700	4400026		
D	4400017		E	400 CY PWR SUP SCHEM		U	JPL	MA	R	35	03	62	J	137200	4400029		
D	4400017		E	400 CY PWR SUP SCHEM		U	JPL	MA	R	35	03	62	J	137600	4400077		
D	4400017		E	400 CY PWR SUP SCHEM		U	JPL	MA	R	35	03	62	J	138000	4400093		
D	4400017		E	400 CY PWR SUP SCHEM		U	JPL	MA	R	35	03	62	J	138200	4400211		
A	4400018	PL		PARTS LIST		U	JPL	MA	R	35	06	61	J	136100	4400018		
J	4400018		E	400 CPS PWR AMP 4A8		U	JPL	MA	R	35	06	61	J	135900	4900501		
J	4400019		E	SUBCHASS ASSY POWER		U	JPL	MA	R	35	06	61	J	136300	4400018		
C	4400022		A	XFMR T3 POWER SUPPLY		U	JPL	MA	R	34	11	61	J	136400	4400018		
C	4400023		B	CHOKE L1 POWER SUPPLY		U	JPL	MA	R	34	10	61	J	136500	4400018		
C	4400025			TRANSISTOR SUBASSY 1		U	JPL	MA	R	35	06	61	J	136200	4400018		
C	4400026		A	TRANSISTOR SUBASSY 1		U	JPL	MA	R	35	12	61	J	136600	4400018		
C	4400027			INSULATOR POWER SUPP		U	JPL	MA	R	35	06	61	J	136900	4400018		
C	4400028			INSULATOR PWR SUPPLY		U	JPL	MA	R	35	06	61	J	137000	4400018		

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								REPAIR	THRU REQ.		NO.	YR.				
D	4400059		B	CB3			U	JPL	MA	R	34	07	61	J	188300	4400046
D	4400063		B	CB5 POWER SWITCHING			U	JPL	MA	R	32	01	62	J	188400	4400046
J	4400064		A	PC CB5			U	JPL	MA	R	35	07	61	J	188600	4400063
D	4400077		A	CB2 PWR SUPPLY			U	JPL	MA	R	35	08	61	J	137500	4400018
A	4400077	PL	A	CB 2 PWR SUPPLY			U	JPL	MA	R	34	08	61	J	137700	4400077
D	4400078		A	CB1 PWR SUPPLY			U	JPL	MA	R	35	06	61	J	137400	4400029
D	4400079		A	CB1 PWR SUPPLY			U	JPL	MA	R	35	08	61	J	137800	4400077
B	4400081		A	AMPLIFIER MAG ASSY			U	JPL	MA	R	34	10	61	J	188100	4400053
B	4400083			CAPACITOR ASSY			U	JPL	MA	R	34	07	61	J	140700	4400031
B	4400086			CAPACITOR ASSEMBLY			U	JPL	MA	R	34	07	61	J	135200	4400011
B	4400087		A	CB4			U	JPL	MA	R	34	09	61	J	141900	4400016
D	4400089		B	CB1 BSTR REG & POWER			U	JPL	MA	R	34	12	61	J	135400	4400011
A	4400089	PL	C	BOOSTER REG CB1			U	JPL	MA	R	34	01	62	J	135700	4400089
J	4400090		A	PRINTED CIRCUITRY CB			U	JPL	MA	R	35	08	61	J	135800	4400089
C	4400093			CB3 PWR SUPPLY			U	JPL	MA	R	35	08	61	J	137900	4400018
A	4400126			WASHER INSULATION			U	JPL	MA	R	34	10	61	J	188200	4400053
J	4400127		C	CHASSIS POWER		*	U	JPL	MA	R	35	12	62	J	143410	4400204
J	4400200		B	BATTERY CHASSIS 4A14			U	JPL	MA	R	35	12	61	J	142800	4900501
J	4400201		C	CHASSIS BATTERY		*	U	JPL	MA	R	33	09	62	J	142900	2011000
J	4400202			COVER BATTERY		*	U	JPL	MA	R	33	10	61	J	143000	2011000
J	4400204		A	CHASSIS POWER ASSY			U	JPL	MA	R	35	01	62	J	143100	4900501
D	4400210			TOP SHIELD ASSY			U	JPL	MA	R	34	01	62	J	144000	4900501
C	4400211			CB4 400 CYCLE PW SUP			U	JPL	MA	R	34	03	62	J	138100	4400018
B	4400213			CHOKE L3 PW SUPP 400			U	JPL	MA	R	34	03	62	J	138300	4400018
B	4400215			CHOKE L1 POWER SYNC			U	JPL	MA	R	34	03	62	J	141000	4400031
B	4400216			CHOKE L2 PWR SWG LOGC			U	JPL	MA	R	34	03	62	J	188700	4400046
B	4400218			LUG TERMINAL			U	JPL	MA	R	34	06	62	J	188800	4400046
B	4400219			CHOKE L3			U	JPL	MA	R	34	06	62	J	188900	4400046
D	4500034			SENSOR EARTH LONG			U	JPL	MA	R	34	08	61	J	047100	4100310
D	4500045		A	SCHEMATIC			U	JPL	MA	R	35	05	61	J	085700	4200049
J	4500121		C	CHASSIS ASSY DATA			U	JPL	MA	R	35	01	62	J	144200	4900501
J	4500122		A	ACTUATOR ASSEMBLY			U	JPL	MA	R	35	03	62	J	059600	4800408
D	4500123			HOUSING ACTUATOR			U	JPL	MA	R	35	01	62	J	059900	4500122
D	4500124		A	COVER ACTUATOR		*	U	JPL	MA	R	35	09	62	J	060000	4500122
B	4500125			PLATE A MOUNTING			U	JPL	MA	R	35	01	62	J	060100	4500122
C	4500126			PLATE B MOUNTING			U	JPL	MA	R	35	01	62	J	060200	4500122
B	4500127			SHAFT C ACTUATOR			U	JPL	MA	R	35	01	62	J	060300	4500122
B	4500128			SHAFT D ACTUATOR			U	JPL	MA	R	35	01	62	J	060400	4500122
B	4500129			SHAFT F ACTUATOR			U	JPL	MA	R	35	01	62	J	060500	4500122
C	4500130			SHAFT G ACTUATOR			U	JPL	MA	R	35	01	62	J	060600	4500122

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								REPAIR	THRU REQ.		NO.	YR.				
C	4500131			FLEX JOINT			U	JPL	MA	R	35	01	62	J	060700	4500122
B	4500132		A	LEVER SW ACTUATOR			U	JPL	MA	R	35	04	62	J	060800	4500122
B	4500133			HOUSING SWIVEL JOINT			U	JPL	MA	R	35	02	62	J	062300	4500142
B	4500134			MOUNT SWIVEL JOINT			U	JPL	MA	R	35	02	62	J	062400	4500142
B	4500137			COUPLING ACTUATOR			U	JPL	MA	R	35	01	62	J	060900	4500122
B	4500138			SPACER FLEX JOINT			U	JPL	MA	R	35	01	62	J	061000	4500122
B	4500139			POTENTIOMETER			U	JPL	MA	R	35	01	62	J	061100	4500122
B	4500141			BOLT SWIVEL JOINT			U	JPL	MA	R	35	02	62	J	062500	4500142
C	4500142			SWIVEL JOINT ASSY			U	JPL	MA	R	35	02	62	J	062200	4800408
B	4500143		A	SPRING COMP SW LEVER			U	JPL	MA	R	35	04	62	J	061200	4500122
B	4500144			SPLINE CLUTCH			U	JPL	MA	R	35	01	62	J	061300	4500122
B	4500145			GEAR BEVEL CLUTCH			U	JPL	MA	R	35	01	62	J	061400	4500122
B	4500146			SPACER CLUTCH			U	JPL	MA	R	35	01	62	J	061500	4500122
B	4500147			HUB CLUTCH			U	JPL	MA	R	35	01	62	J	061600	4500122
B	4500148			FACING CLUTCH			U	JPL	MA	R	35	01	62	J	061700	4500122
B	4500149			GEAR HEAD			U	JPL	MA	R	35	01	62	J	061800	4500122
B	4500150			TB1 ACTUATOR			U	JPL	MA	R	35	03	62	J	061900	4500122
B	4500151			TB2 ACTUATOR			U	JPL	MA	R	35	03	62	J	062000	4500122
J	4500152		A	SHIELD & CHASSIS ASY		*	U	JPL	MA	R	35	12	62	J	144210	4500121
J	4500153		A	TOP SHIELD ASSY 3		*	U	JPL	MA	R	35	12	62	J	145000	4900501
B	4500154			WASHER			U	JPL	MA	R	35	12	61	J	182700	4600339
B	4500154			WASHER			U	JPL	MA	R	35	12	61	J	199800	4800406
B	4500154			WASHER			U	JPL	MA	R	35	12	61	J	203400	4901001
C	4500155			TEMP REFERENCE ASSY			U	JPL	MA	R	32	07	62	J	055000	4100310
D	4500156			SUPPORT INFRARED			U	JPL	MA	R	32	07	62	J	055100	4500155
C	4500157			SHIELD INFRARED RADM			U	JPL	MA	R	32	07	62	J	055200	4500155
B	4500158			MTG BLOCK TEMPERATUR			U	JPL	MA	R	32	07	62	J	055300	4500155
B	4500159			SPACER TEMP SENS1			U	JPL	MA	R	32	07	62	J	055400	4500155
B	4500160			TEMP SENSISTOR SCHEM			U	JPL	MA	R	32	07	62	J	055500	4500155
B	4500160			TEMP SENSISTOR SCHEM			U	JPL	MA	R	32	07	62	J	055600	4500161
C	4500161			CB ASSY			U	JPL	MA	R	32	07	62	J	055700	4500162
C	4500162			CONNECTOR ASSEMBLY			U	JPL	MA	R	32	07	62	J	055800	4500155
D	4600001		B	HOUSING ASSY			U	JPL	MA	R	35	09	62	J	078300	4600008
D	4600002			HOUSING CATHODE SECT		*	U	JPL	MA	R	33	03	61	J	143430	4400003
D	4600003			HOUSING PLATE SECT		*	U	JPL	MA	R	33	03	61	J	143420	4400204
C	4600004			COVER CATHODE SECT			U	JPL	MA	R	35	03	61	J	078400	4600001
C	4600005		A	COVER PLATE SECT			U	JPL	MA	R	35	03	61	J	078500	4600001
C	4600006		A	SHIELD CATHODE SECT			U	JPL	MA	R	35	07	61	J	078600	4600001
C	4600007		A	SHIELD PLATE SECT			U	JPL	MA	R	35	07	61	J	078700	4600001
J	4600008			XPONDER CAVITIES 2A3			U	JPL	MA	R	35	12	61	J	078100	3172189

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								SERIAL NO.	THRU REV.	NO.	YE				
B	4600012			TERMINAL	U	JPL	MA	R	35	04	61	J	079000	4600008	
B	4600013		A	TERMINAL	U	JPL	MA	R	35	07	61	J	079100	4600008	
B	4600014		A	TERMINAL INSULATOR	U	JPL	MA	R	35	04	62	J	079200	4600008	
B	4600015			GROUND PLATE	U	JPL	MA	R	35	04	61	J	079300	4600008	
D	4600016		A	HOUSING INSULATOR	*	U	JPL	MA	R	33	07	61	J	142710	4400042
B	4600017			B ROD INSULATOR	U	JPL	MA	R	35	04	61	J	079400	4600008	
B	4600018			B ROD INSULATOR	U	JPL	MA	R	35	04	61	J	079500	4600008	
B	4600019			B ROD	U	JPL	MA	R	35	04	61	J	079600	4600008	
B	4600020			OUTPUT PROBE	U	JPL	MA	R	35	04	61	J	079700	4600008	
B	4600021			F-2 PLATE INSULATOR	U	JPL	MA	R	35	04	61	J	079800	4600008	
B	4600022			F-1 PLATE INSULATOR	U	JPL	MA	R	35	04	61	J	079900	4600008	
B	4600023			K-PLATE INSULATOR	U	JPL	MA	R	35	04	61	J	080000	4600008	
B	4600024			B ROD	U	JPL	MA	R	35	04	61	J	080100	4600008	
B	4600025			INSULATOR	U	JPL	MA	R	35	04	61	J	080200	4600008	
B	4600026			B ROD SLEEVING	U	JPL	MA	R	35	04	61	J	080300	4600008	
B	4600027			TUNING PROBE	U	JPL	MA	R	35	04	61	J	080400	4600008	
B	4600028		A	CATHODE TAP FEMALE	U	JPL	MA	R	35	01	62	J	080500	4600008	
C	4600029			F 2 PLATE	U	JPL	MA	R	35	04	61	J	080600	4600008	
C	4600030		A	K-PLATE	U	JPL	MA	R	35	01	62	J	080700	4600008	
C	4600031		A	F-1 PLATE	U	JPL	MA	R	35	02	61	J	080800	4600008	
C	4600032			CATHODE TAP MALE	U	JPL	MA	R	35	04	61	J	080900	4600008	
C	4600033			LINE PLATE INSULATOR	U	JPL	MA	R	35	04	61	J	081000	4600008	
B	4600034			GROUND PLATE INSERT	U	JPL	MA	R	35	04	61	J	081100	4600008	
B	4600035			F-2 INSERT	U	JPL	MA	R	35	04	61	J	081200	4600008	
B	4600036			K PLATE INSERT	U	JPL	MA	R	35	04	61	J	081300	4600008	
B	4600037			SCREW INSULATOR	U	JPL	MA	R	35	04	61	J	081400	4600008	
B	4600038			LINE PLATE INSULATOR	U	JPL	MA	R	35	04	61	J	081500	4600008	
C	4600039			LINE PLATE	U	JPL	MA	R	35	04	61	J	081600	4600008	
C	4600040			GROUND PLATE	U	JPL	MA	R	35	04	61	J	081700	4600008	
C	4600041		A	THERMAL COMPENSATOR	*	U	JPL	MA	R	35	02	62	J	081800	4600008
C	4600042		A	TUNING PROBE HOUSING	*	U	JPL	MA	R	35	07	62	J	081900	4600041
C	4600043		B	TUNING PROBE THERMAL	*	U	JPL	MA	R	35	07	62	J	082000	4600041
B	4600044		A	DRIVE SHAFT THERMAL	*	U	JPL	MA	R	35	07	62	J	082100	4600041
B	4600045		A	TUNING PROBE INSULTR	*	U	JPL	MA	R	35	07	62	J	082200	4600041
B	4600046		A	RETAINING PIN	*	U	JPL	MA	R	35	07	62	J	082300	4600041
C	4600052			WASHER REINFORCEMENT	U	JPL	MA	R	33	06	61	J	003400	4600076	
C	4600052			WASHER REINFORCEMENT	U	JPL	MA	R	33	06	61	J	003900	4600097	
B	4600053			PLATE REINFORCEMENT	U	JPL	MA	R	33	06	61	J	004000	4600098	
B	4600056		A	COLUMN TURNSTILE ANT	U	JPL	MA	R	33	08	61	J	004300	4600098	
B	4600057			RIB LONG ELEMENT	U	JPL	MA	R	33	04	61	J	004400	4600098	

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REV	DRAWING NO.	REV NO.	REV	TITLE	C	L	REV	RELEASE FOR		REV	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	S	
								SERIAL	THRU REV.		NO.	YE				
B	4600058			RIB SHORT ELEMENT	U	JPL	MA	R	33	06	61	J	004500	4600098		
B	4600059			RING SUPPORT	U	JPL	MA	R	33	06	61	J	004600	4600098		
J	4600060		A	PC TURNSTILE ANT	U	JPL	MA	R	33	08	61	J	005500	4600099		
D	4600073		B	HOUSING CATHODE SECT	U	JPL	MA	R	35	10	61	J	078800	4600001		
D	4600074		B	HOUSING PLATE SECT	U	JPL	MA	R	35	01	62	J	078900	4600001		
C	4600076		B	ANTENNA DIPOLE	U	JPL	MA	R	33	01	62	J	003300	4100306		
C	4600077		A	BODY ASSEMBLY	U	JPL	MA	R	33	08	61	J	003500	4600076		
C	4600078		A	BOARD CIRCUIT DI-PL	*	U	JPL	MA	R	33	05	62	J	003510	4600077	
D	4600079			ART WORK DI-POLE	*	U	JPL	MA	R	33	07	61	J	003520	4600078	
C	4600080		B	CONDUCTOR ASSY ANT	U	JPL	MA	R	33	01	62	J	004700	4600098		
C	4600081		A	BASE	U	JPL	MA	R	33	08	61	J	004800	4600080		
B	4600082		A	BASE PLATE	U	JPL	MA	R	33	08	61	J	004900	4600081		
B	4600083		A	CONDUCTOR	U	JPL	MA	R	33	08	61	J	005000	4600081		
B	4600084		A	BUSHING	U	JPL	MA	R	33	08	61	J	005100	4600081		
B	4600085		A	CONNECTOR RF MOD	U	JPL	MA	R	33	08	61	J	005200	4600080		
B	4600086		B	CONDUCTOR CENTER	U	JPL	MA	R	33	04	62	J	005300	4600080		
B	4600087			GUSSET	*	U	JPL	MA	R	33	07	61	J	003530	4600077	
B	4600088		A	COLUMN	*	U	JPL	MA	R	33	08	61	J	003540	4600077	
B	4600089			CAP CENTER CONDUCTOR	U	JPL	MA	R	33	07	61	J	003600	4600076		
B	4600089			CAP CENTER CONDUCTOR	U	JPL	MA	R	33	07	61	J	004100	4600097		
C	4600097		A	ANTENNA COMMAND	U	JPL	MA	R	33	01	62	J	003800	4100306		
C	4600098		A	BODY ASSEMBLY	U	JPL	MA	R	33	08	61	J	004200	4600097		
C	4600099		B	CB COMMAND ANTENNA	U	JPL	MA	R	33	04	62	J	005400	4600098		
B	4600151			PLATE REINFORCEMENT	U	JPL	MA	R	33	07	61	J	003700	4600076		
D	4600152		B	KPONDER CAVITY SCHEM	*	U	JPL	MA	R	33	10	62	J	082400	4600008	
C	4600161			TRANSDUCER	U	JPL	MA	R	35	09	61	J	143500	4400204		
C	4600161			TRANSDUCER	U	JPL	MA	R	35	09	61	J	144300	4500121		
C	4600161			TRANSDUCER	U	JPL	MA	R	35	09	61	J	182400	4600333		
C	4600161			TRANSDUCER	U	JPL	MA	R	35	09	61	J	189400	4800261		
C	4600161			TRANSDUCER	U	JPL	MA	R	33	11	61	J	199000	4800297		
C	4600177			SURFACE TEMPERATURE	U	JPL	MA	R	35	09	61	J	202500	4900501		
C	4600177			SURFACE TEMPERATURE	U	JPL	MA	R	35	09	61	J	204400	4100407		
D	4600183		B	JOINT ROTARY COAX	U	JPL	MA	R	33	04	62	J	056000	4100310		
B	4600184			SPACER BEARING OUTER	U	JPL	MA	R	33	10	61	J	057300	4600183		
B	4600185			SPACER BEARING INNER	U	JPL	MA	R	33	10	61	J	057400	4600183		
B	4600186			SPACER DIELECT SMALL	U	JPL	MA	R	33	10	61	J	057500	4600183		
B	4600187			SPACER DIELECT INNER	U	JPL	MA	R	33	10	61	J	057600	4600183		
C	4600308		D	COMMD TR CONT 3A3	*	U	JPL	MA	R	35	12	62	J	145100	4900501	
D	4600309		D	COMMD DECT B CON 3A2	*	U	JPL	MA	R	35	12	62	J	147700	4900501	
C	4600310		D	COMMD DECOD 3A4	*	U	JPL	MA	R	35	12	62	J	158600	4900501	

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								REVISION	THRU REV.		NO.	YY.				
D	4600311		D	COMMAND DETECTOR 3A1	*	U	JPL	MA	R	35	12	62	J	163000	4900501	
D	4600312		A	XMFR REC SUBASSY ENV		U	JPL	MA	R	33	10	61	J	167100	4900501	
D	4600313		B	CIRC & PWR MON 2A6		U	JPL	MA	R	35	12	61	J	167900	4900501	
D	4600317		B	JUNCTION BOX SCHEM		U	JPL	MA	R	33	01	62	J	168700	4600318	
J	4600318		D	COMMUNICATIONS 2A5		U	JPL	MA	R	33	09	62	J	168300	4900501	
A	4600318	PL	B	JUNCTION BOX COMMUN		U	JPL	MA	R	33	01	62	J	168800	4600318	
D	4600319		B	CBI PC JUNCTION BOX		U	JPL	MA	R	33	01	62	J	168900	4600318	
B	4600320			SPACER JUNCTION BOX		U	JPL	MA	R	33	10	61	J	169000	4600318	
D	4600321		B	SUBCHASS JUNCT BOX		U	JPL	MA	R	33	08	62	J	169100	4600318	
D	4600322		B	ANAL-DIG CONVTR 6MT1		U	JPL	MA	R	35	12	61	J	169200	4900501	
D	4600323		B	LO LEVEL COMPAR 6A1		U	JPL	MA	R	35	12	61	J	170700	4900501	
D	4600324		D	COMMUTATOR DECKS 6K2	*	U	JPL	MA	R	35	01	63	J	171700	4900501	
D	4600325		D	DECKS 0 1 263 6K1	*	U	JPL	MA	R	35	01	63	J	173900	4900501	
D	4600326		A	BLIP REGISTERS 6MT4		U	JPL	MA	R	35	11	61	J	176400	4900501	
D	4600327		B	TRANSFER REGIST 6MT3		U	JPL	MA	R	35	12	61	J	178000	4900501	
D	4600328		C	PN GENERATOR 6MT2		U	JPL	MA	R	35	12	61	J	179400	4900501	
D	4600329		B	ENCODER TR 6TRI		U	JPL	MA	R	35	12	61	J	180900	4900501	
C	4600330			TEE CONNECTOR		U	JPL	MA	R	35	11	61	J	082500	3172189	
B	4600331			STRAP		U	JPL	MA	R	35	11	61	J	082600	3172189	
J	4600333		D	CHASS ASSY L-BAND		U	JPL	MA	R	33	01	62	J	182100	4900501	
D	4600337			SHIELD CHASSIS		U	JPL	MA	R	33	11	61	J	144400	4500121	
C	4600338			SHELL OUTER CHOKE		U	JPL	MA	R	33	12	61	J	057700	4600183	
J	4600339		A	SHIELD CHASSIS ASSY		U	JPL	MA	R	33	01	62	J	182500	4600333	
D	4600340		B	ANT OMNI-DIRECTIONAL	*	U	JPL	MA	R	33	12	62	J	057800	4100310	
D	4600341			GROUND PLANE UPPER		U	JPL	MA	R	33	03	62	J	059200	4600340	
D	4600342			CONE-OUTER TUBE SUBA		U	JPL	MA	R	33	03	62	J	059300	4600340	
J	4600456			CYL SUPP OMNI ANTENA	*	U	JPL	MA	R	34	12	62	J	059320	4600340	
D	4600602			ATT CONT GAS SCHEM	*	U	JPL	MR	62	34	11	61	J			
D	4700188		A	VANE	*	U	JPL	MA	R	38	09	62	J	221300	4700213	
C	4700213		A	SERVO ASSEMBLY	*	U	JPL	MA	R	35	09	62	J	221000	4700343	
J	4700300			UNIT MIDCOURSE PROP		U	JPL	MA	R	38	02	62	J	205700	4100309	
J	4700301			UNIT MIDCOURSE PROP		U	JPL	MA	R	38	02	62	J	205800	4700300	
J	4700302		B	CABLE INSTL MCPU		U	JPL	MA	R	31	05	62	J	206200	4700301	
J	4700303			FUEL SYS INSTALLATON		U	JPL	MA	R	38	02	62	J	206300	4700302	
J	4700304			NITROGEN SYS MIDCOUR		U	JPL	MA	R	38	02	62	J	206400	4700303	
J	4700305			START SYS MIDCOURSE		U	JPL	MA	R	38	02	62	J	206700	4700304	
D	4700306			TUBE RESERVOIR OXID		U	JPL	MA	R	38	09	61	J	212800	4700307	
D	4700307		A	RESERVOIR OXIDIZER		U	JPL	MA	R	38	02	62	J	212500	4700326	
J	4700308			PLATE MOUNTING		U	JPL	MA	R	38	10	61	J	211300	4700312	
J	4700309			BRACKET MTG MCPU		U	JPL	MA	R	38	10	61	J	015200	4100501	

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								REVISION	THRU REV.		NO.	YY.				
J	4700310			STRUCTURE ASSEMBLY		U	JPL	MA	R	38	02	62	J	209900	4700311	
J	4700311			ENG MIDCOURSE PROPUL		U	JPL	MA	R	38	02	62	J	207000	4700305	
J	4700312		A	PLATE MOUNTING ASSY		U	JPL	MA	R	38	10	61	J	211200	4700310	
C	4700313			BRACKET CONN ELEC		U	JPL	MA	R	38	10	61	J	211500	4700310	
C	4700314			BRACKET CONN ELEC		U	JPL	MA	R	38	10	61	J	211600	4700310	
D	4700315			BRACKET TANK FUEL		U	JPL	MA	R	38	10	61	J	211700	4700310	
J	4700317			BODY MANIFOLD TANK		U	JPL	MA	R	38	11	61	J	219400	4700318	
J	4700318			MANIFOLD TANK FUEL		U	JPL	MA	R	38	02	62	J	218500	4700319	
J	4700319			BLADDER TANK FUEL		U	JPL	MA	R	38	02	62	J	218300	4700320	
J	4700320			TANK FUEL ASSEMBLY		U	JPL	MA	R	38	02	62	J	218000	4700321	
J	4700321			FUEL SYSTEM ASSEMBLY		U	JPL	MA	R	38	02	62	J	217600	4700303	
C	4700322			RESERVOIR GN2 WELDMT		U	JPL	MA	R	38	02	62	J	213100	4700323	
C	4700323		A	RESERVOIR GN2 IGNITN		U	JPL	MA	R	38	02	62	J	213000	4700326	
D	4700324			PRIMER CHAMBER ASSY		U	JPL	MA	R	38	01	62	J	214600	4700325	
D	4700324			PRIMER CHAMBER ASSY		U	JPL	MA	R	38	01	62	J	216500	4700333	
D	4700324			PRIMER CHAMBER ASSY		U	JPL	MA	R	38	01	62	J	220200	4700338	
D	4700325		A	VALVE EXPLOSIVE ASSY		U	JPL	MA	R	38	06	62	J	214200	4700326	
D	4700326		A	CARTRIDGE OXIDIZER		U	JPL	MA	R	38	06	62	J	211800	4700305	
D	4700327			BLOCK PILLOW		U	JPL	MA	R	38	02	62	J	214800	4700305	
C	4700328			BRACKET		U	JPL	MA	R	38	02	62	J	214900	4700305	
B	4700329			SPACER TUBE		U	JPL	MA	R	38	02	62	J	215000	4700305	
C	4700330			BRACKET TUBE		U	JPL	MA	R	38	02	62	J	215100	4700305	
C	4700332		A	SPIDER TANK NITRO	*	U	JPL	MA	R	35	01	63	J	215200	4700304	
C	4700333			VALVE 2WAY NITROGEN		U	JPL	MA	R	38	02	62	J	216200	4700335	
D	4700334			FITTING NITROGEN TNK		U	JPL	MA	R	38	02	62	J	216600	4700335	
J	4700335			NITROGEN SYSTEM ASSY		U	JPL	MA	R	38	02	62	J	215500	4700304	
D	4700336			SHELL TANK NITROGEN		U	JPL	MA	R	38	02	62	J	217500	4700304	
C	4700337			SPACER REGULATOR		U	JPL	MA	R	38	02	62	J	220300	4700303	
J	4700338			VALVE FUEL 2-WAY ASY		U	JPL	MA	R	38	02	62	J	219700	4700321	
D	4700339			SHELL TANK PROPELLNT		U	JPL	MA	R	38	02	62	J	219600	4700320	
D	4700343			CONTROL SYS ASSEMBLY		U	JPL	MA	R	38	02	62	J	220700	4700301	
D	4700344			MIDCOURSE PROPUL SYS		U	JPL	MA	R	38	02	62	J	221400	4700301	
D	4700346			SHIELD THERM LOW DISK		U	JPL	MA	R	38	02	62	J	221500	4700301	
C	4700347		A	FLANGE		U	JPL	MA	R	38	06	62	J	214700	4700325	
D	4800040		A	SUBCHASSIS XPONDER		U	JPL	MA	R	35	10	61	J	107200	4300187	
D	4800040		A	SUBCHASSIS XPONDER		U	JPL	MA	R	35	10	61	J	121800	4300188	
B	4800061			SUPPORT RING PRE-AMP		U	JPL	MA	R	32	09	61	J	033400	4800065	
B	4800062			COVER PRE-AMPL		U	JPL	MA	R	32	09	61	J	033600	4800065	
C	4800063			ION CHAMB STRUCT ASY		U	JPL	MA	R	32	09	61	J	033800	4800065	
B	4800064			NECK CHAMBER		U	JPL	MA	R	32	09	61	J	034500	4800063	

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							SERIAL	THRU SER.		NO.	YR.				
D	4800065		A IONIZATION CHAMBER	*	U	JPL	MA	R	32	09	62	J	033100	4100445	
C	4800068		A PC PRE-AMPLIFIER		U	JPL	MA	R	32	07	61	J	034900	4800069	
J	4800069		A CB1 PRE-AMPLIFIER		U	JPL	MA	R	32	07	61	J	034600	4800065	
C	4800076		A ANGLE CONNECTOR		U	JPL	MA	R	35	09	61	J	143600	4400204	
B	4800078		A CLAMP WIRE	*	U	JPL	MA	R	35	12	62	J	143700	4400204	
B	4800078		A CLAMP WIRE	*	U	JPL	MA	R	35	12	62	J	144500	4500121	
B	4800078		A CLAMP WIRE	*	U	JPL	MA	R	35	12	62	J	182800	4600333	
B	4800078		A CLAMP WIRE	*	U	JPL	MA	R	35	12	62	J	199100	4800297	
B	4800078		A CLAMP WIRE	*	U	JPL	MA	R	35	12	62	J	202600	4900502	
B	4800078		A CLAMP WIRE	*	U	JPL	MA	R	35	12	62	J	203600	4901002	
B	4800080		A CLAMP THERMOCOUPLE	*	U	JPL	MA	R	35	12	62	J	143800	4400204	
B	4800080		A CLAMP THERMOCOUPLE	*	U	JPL	MA	R	35	12	62	J	144600	4500121	
B	4800080		A CLAMP THERMOCOUPLE	*	U	JPL	MA	R	35	12	62	J	182900	4600333	
B	4800080		A CLAMP THERMOCOUPLE	*	U	JPL	MA	R	35	12	62	J	199200	4800297	
B	4800080		A CLAMP THERMOCOUPLE	*	U	JPL	MA	R	35	12	62	J	202700	4900502	
C	4800083		A QUARTZ INTEGRAT ASSY		U	JPL	MA	R	32	09	61	J	035000	4800065	
B	4800084		A HEADER BASE		U	JPL	MA	R	32	09	61	J	035700	4800083	
B	4800085		A RING CLAMPING SEAL		U	JPL	MA	R	32	09	61	J	035800	4800065	
B	4800091		A SPACER		U	JPL	MA	R	35	08	62	J	190400	4800290	
B	4800092		A WASHER SHOULDER		U	JPL	MA	R	35	08	62	J	190500	4800290	
B	4800093		A WASHER		U	JPL	MA	R	35	08	62	J	190600	4800290	
B	4800096		A WASHER		U	JPL	MA	R	35	08	62	J	190700	4800290	
J	4800250		B SWEEP AMP SCHEMATIC		U	JPL	MA	R	32	05	62	J	196700	4800268	
J	4800250		B SCHEMATIC SWEEP AMPL		U	JPL	MA	R	35	05	62	J	197300	4800265	
J	4800250		B SCHEMATIC SWEEP AMPL		U	JPL	MA	R	35	05	62	J	197700	4800366	
J	4800251		C SCHEMATIC DIAG		U	JPL	MA	R	35	05	62	J	195900	4800263	
J	4800252		H SCI PWR SW SUBASSY	*	U	JPL	MA	R	35	09	62	J	188910	4800296	
A	4800252	PL	F SCI PWR SWITCHING	*	U	JPL	MA	R	35	05	62	J	188912	4800292	
D	4800253		H SCI PWR SW SCHEMATIC	*	U	JPL	MA	R	35	09	62	J	188914	4800292	
D	4800254		A SUBCHASSIS	*	U	JPL	MA	R	35	11	62	J	188916	4800292	
J	4800255		C PC CB1 SCI PWR SW	*	U	JPL	MA	R	35	04	62	J	188918	4800292	
D	4800256		A REED CAPACITOR		U	JPL	MA	R	35	01	62	J	189500	4800261	
J	4800257		A MAGNETMETER SUPP ASSY		U	JPL	MA	R	32	04	62	J	108800	4100304	
J	4800260		A SUBCHASS ASSY		U	JPL	MA	R	32	04	62	J	189900	4800261	
J	4800261		B 23A1 PLASMA ELECTRON		U	JPL	MA	R	35	05	62	J	189000	4800296	
J	4800262		A RADIOMETER CHASS ASSY		U	JPL	MA	R	35	12	61	J	063100	4800300	
A	4800263	PL	A PROGRAMMER SOL PLAS		U	JPL	MA	R	32	05	62	J	196000	4800263	
J	4800263		C 23A2 PROGRAM SUBASSY		U	JPL	MA	R	35	04	62	J	195500	4800296	
D	4800264		B PROGRAMMER SUBCHASS		U	JPL	MA	R	32	04	62	J	196100	4800263	
J	4800265		B CB1 PC PROGRAMMER		U	JPL	MA	R	32	05	62	J	196400	4800263	

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REV	DRAWING NO.	PAGE NO.	TITLE	Q	S	REVISION CODE	RELEASE FOR MAJOR ITEM		REF. NO.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	1	2
							SERIAL	THRU SER.		NO.	YR.				
J	4800266		A CB2 PC PROGRAMMER		U	JPL	MA	R	32	05	62	J	196500	4800263	
D	4800268		A 23A3 SWEEP AMPL		U	JPL	MA	R	32	04	62	J	196600	4800296	
D	4800269		A SUBCHAS SWEEP AMP		U	JPL	MA	R	32	04	62	J	196800	4800268	
J	4800270		A CB1 PC SWEEP AMPLIF		U	JPL	MA	R	32	12	61	J	197400	4800365	
J	4800271		A CB2 PC SWEEP AMPLIF		U	JPL	MA	R	32	12	61	J	197800	4800366	
C	4800272		A COVER MAGNETOMETER		U	JPL	MA	R	35	12	61	J	019000	4800257	
B	4800273		A SPACER SOLAR CORPUS		U	JPL	MA	R	32	12	61	J	190800	4800290	
B	4800274		A STUD SOLAR CORPUSCUL		U	JPL	MA	R	32	11	61	J	190900	4800290	
C	4800275		A GROUND PLANE SCRE		U	JPL	MA	R	32	12	61	J	191000	4800290	
C	4800276		A GROUND PLANE ENTRAN		U	JPL	MA	R	32	12	61	J	191200	4800290	
C	4800277		A COLLECTOR SOLAR CORP		U	JPL	MA	R	32	12	61	J	191300	4800290	
C	4800278		A SUPPRESSOR SOLAR COR		U	JPL	MA	R	32	12	61	J	191400	4800290	
C	4800279		A INSULATOR DEFLECTION		U	JPL	MA	R	32	11	61	J	191500	4800290	
C	4800280		A GROUND PLANE EXIT		U	JPL	MA	R	32	12	61	J	191600	4800290	
C	4800281		A INSULATOR SUPPRESSOR		U	JPL	MA	R	32	12	61	J	191700	4800290	
C	4800282		A INSULATOR CHANNEL		U	JPL	MA	R	32	11	61	J	191800	4800290	
C	4800283		A INSULATOR CHANNEL		U	JPL	MA	R	32	11	61	J	191900	4800290	
C	4800284		A INSULATOR SUPPRESSOR		U	JPL	MA	R	32	11	61	J	192000	4800290	
D	4800285		A SHIELD COLLECTOR		U	JPL	MA	R	32	12	61	J	192100	4800290	
D	4800286		A PLATE GROUND PLANE		U	JPL	MA	R	32	11	61	J	192200	4800290	
D	4800287		A PLATE GROUND PLANE		U	JPL	MA	R	32	11	61	J	192300	4800290	
D	4800288		A DEFLECTOR PLATE ASSY		U	JPL	MA	R	32	11	61	J	192400	4800290	
D	4800289		A DEFLECTOR PLATE ASSY		U	JPL	MA	R	32	12	61	J	190300	4800261	
D	4800290		A DEFLECTION PLATE ASSY		U	JPL	MA	R	35	12	61	J	198300	4800296	
D	4800291		A 20A21-20A24		U	JPL	MA	R	35	11	61	J	198500	4800296	
D	4800293		A 22A2/22A3 MAGNET ENV		U	JPL	MA	R	32	04	62	J	183300	4900501	
J	4800296		C SCIENTIFIC ELEC ASSY		U	JPL	MA	R	32	01	62	J	198700	4800296	
J	4800297		B CHASSIS ASSY		U	JPL	MA	R	35	12	61	J	200000	4800296	
D	4800298		B DATA CONDITION 20A25		U	JPL	MA	R	32	05	62	J	062600	4800408	
J	4800300		A RADIOMETER ASSEMBLY		U	JPL	MA	R	32	01	62	J	063200	4800300	
C	4800304		A WAVEGUIDE SUBASSY		U	JPL	MA	R	32	01	62	J	063300	4800300	
C	4800305		A WAVEGUIDE SUBASSY 22		U	JPL	MA	R	32	01	62	J	063400	4800300	
C	4800306		A WAVEGUIDE SUBASSY 15		U	JPL	MA	R	32	01	62	J	063500	4800300	
C	4800307		A WAVEGUIDE SUBASSY 15		U	JPL	MA	R	32	01	62	J	063600	4800300	
C	4800308		A WAVEGUIDE SUBASSY 22		U	JPL	MA	R	32	12	61	J	063700	4800300	
C	4800311		A BRACKET ASSY DETECT		U	JPL	MA	R	32	12	61	J	063800	4800300	
C	4800312		A BRACKET DETECTOR		U	JPL	MA	R	32	11	61	J	063900	4800300	
C	4800313		A V-BLOCK ASSY RADIOM		U	JPL	MA	R	32	11	61	J	144700	4500121	
C	4800314		A ANGLE CONN MOUNTING		U	JPL	MA	R	32	11	61	J	183000	4600333	
C	4800314		A ANGLE CONNECTOR		U	JPL	MA	R	35	11	61	J			

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WZ	DRAWING NO.	REV. NO.	REV.	TITLE	U	CLAMP	FORMED CODE	RELEASE FOR SHIELD VIEW		REPT. DIV.	RELEASE DATE		DRAWING CONTROL STATUS	TEST ASSEMBLY	REV.
								SERIAL	FORM SER.		NO.	YY			
C	4800314			ANGLE CONN MOUNTING		U	JPL	MA	R	32	11	61	J	199300	4800297
B	4800326		A	RISE CLAMP WIRE NO2	*	U	JPL	MA	R	35	12	62	J	199400	4800297
J	4800334		A	REFERENCE HORN		U	JPL	MA	R	32	09	62	J	064000	4800300
J	4800335		A	SUPPORT RADIOMETER		U	JPL	MA	R	32	12	61	J	064100	4800300
D	4800338		A	SUBCHASS PWR SUPPLY		U	JPL	MA	R	32	07	62	J	064400	4800339
D	4800339		A	PWR SUPP SUBWAY ENV		U	JPL	MA	R	32	07	62	J	064200	4800300
D	4800340		A	SUBCHASSIS DATA COND		U	JPL	MA	R	35	11	61	J	200200	4800298
J	4800341		C	ELECTROMETER SCHEM		U	JPL	MA	R	32	04	62	J	192600	4800261
J	4800341			SCHEMATIC DIAG		U	JPL	MA	R	35	05	62	J	193100	4800396
J	4800341			SCHEMATIC DIAG		U	JPL	MA	R	35	05	62	J	194300	4800402
J	4800342		B	CHAS PARTCL FLUX DET		U	JPL	MA	R	32	02	62	J	036000	4800352
J	4800343		A	COVER THERMAL PARTCL		U	JPL	MA	R	32	07	62	J	036100	4800352
A	4800344	PL	C	CB1 PART FLUX DETECT		U	JPL	MA	R	32	04	62	J	036500	4800344
J	4800344		A	CB1 PART FLUX DETECT		U	JPL	MA	R	32	04	62	J	036300	4800352
J	4800345		B	PART FLUX DET SCHEM		U	JPL	MA	R	32	04	62	J	036600	4800344
J	4800345		B	SCHEMATIC		U	JPL	MA	R	35	04	62	J	036800	4800352
D	4800346		A	MULTI-OUTPUT TUBE		U	JPL	MA	R	32	01	62	J	036900	4800352
C	4800347		A	SHIELD STAINLESS		U	JPL	MA	R	32	04	62	J	037000	4800352
C	4800348		A	END SENSITIVE 213 GM	*	U	JPL	MA	R	35	09	62	J	037100	4800352
C	4800349		A	SHIELD BERYLLIUM		U	JPL	MA	R	32	04	62	J	037200	4800352
C	4800350		A	GUARD DETECTOR TUBE		U	JPL	MA	R	32	01	62	J	037400	4800352
J	4800351		A	PC1 PARTICLE FLUX		U	JPL	MA	R	32	02	62	J	036700	4800344
J	4800352		A	PARTICLE FLUX DETECT		U	JPL	MA	R	32	04	62	J	035900	4100445
C	4800356		A	WAVEGUIDE SUBASSY		U	JPL	MA	R	32	01	62	J	066600	4800300
C	4800357		A	WAVEGUIDE SUBASSY		U	JPL	MA	R	32	01	62	J	066700	4800300
C	4800358		A	ANGLE CONN MOUNTING		U	JPL	MA	R	32	03	62	J	066800	4800300
C	4800359			ANGLE CONN MTG RADIO		U	JPL	MA	R	32	11	61	J	066900	4800300
B	4800360			STRAP NOISE SOURCE		U	JPL	MA	R	32	11	61	J	067000	4800300
B	4800361			ANGLE COUPLER MOUNT		U	JPL	MA	R	32	11	61	J	067100	4800300
C	4800362		A	BACKET COUPLER MTG		U	JPL	MA	R	32	12	61	J	067200	4800300
B	4800363		A	CLIP WAVEGUIDE RADIO		U	JPL	MA	R	32	12	61	J	067300	4800300
C	4800364		A	BRACKET TAPER MOUNT		U	JPL	MA	R	32	12	61	J	067400	4800300
J	4800365			CB1 ASSY SWEEP AMPL		U	JPL	MA	R	32	12	61	J	197100	4800268
A	4800365	PL		CB1 SWEEP AMPLIFIER		U	JPL	MA	R	32	12	61	J	197300	4800365
J	4800366			CB2 ASSY SWEEP AMPL		U	JPL	MA	R	32	12	61	J	197600	4800268
A	4800366	PL	A	CB2 SWEEP AMPLIFIER		U	JPL	MA	R	32	05	62	J	197900	4800366
C	4800367			BRACKET TRANSFORMER		U	JPL	MA	R	32	12	61	J	198000	4800268
C	4800368		A	CLIP RF CONNECTOR		U	JPL	MA	R	32	01	62	J	067500	4800300
J	4800369		B	CHOPPER DRIVE ASSY		U	JPL	MA	R	34	06	62	J	051800	4800370
J	4800370		B	LONG RANGE EARTH SEN		U	JPL	MA	R	34	06	62	J	047200	4500036

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REV	DRAWING NO.	DATE	BY	TITLE	CNC	CLASS	VERSION CODE	RELEASE FOR MAJOR ITEM		REP. DIV.	RELEASE NO. THRU		DRAWING CONTROL STATUS	NEXT ASSEMBLY
								SERIAL	THRU REV.					
B	4800371			DISARMING CONN SUBAS	U	JPL	MA	R		32	12	61	J	198100 4800268
C	4800372			TRANSFORMER SWEEP AM	U	JPL	MA	R		32	12	61	J	198200 4800268
C	4800375			ACTUATOR WIRING	U	JPL	MA	R		35	03	62	J	062100 4500122
J	4800376		B	SHIELD THERMAL ASSY	*	U	JPL	MA	R	32	09	62	J	067600 4800300
J	4800377			15.86 22KMC CONT DWG	U	JPL	MA	R		32	09	62	J	067900 4800300
D	4800378			22KMC SW ASSY ENV	U	JPL	MA	R		35	06	62	J	068000 4800300
D	4800379			15KMC SW ASSY ENV	U	JPL	MA	R		35	06	62	J	068100 4800300
D	4800380		A	ENV ELECT UNIT SUBAY	*	U	JPL	MA	R	35	09	62	J	058200 4800300
D	4800381			PRE-AMP SUBASSY ENVL	U	JPL	MA	R		32	08	62	J	068400 4800300
C	4800382			DIRECTIONAL COUP ENV	U	JPL	MA	R		35	06	62	J	058500 4800300
B	4800383			DETECTOR ASY CONT DW	U	JPL	MA	R		32	09	62	J	058600 4800300
B	4800386			CONT DWG 15KMC FILTR	U	JPL	MA	R		32	09	62	J	058700 4800300
C	4800387			WAVEGUIDE SUBASSY 15	U	JPL	MA	R		32	01	62	J	068800 4800300
B	4800388			CONT DWG 22KMC FILTR	U	JPL	MA	R		32	09	62	J	068900 4800300
B	4800389			TERMINAL COLLECTOR	U	JPL	MA	R		32	12	61	J	192500 4800290
J	4800391			SW ASSY ELECTROMETER	U	JPL	MA	R		32	12	61	J	192700 4800261
D	4800392			SUPPORT ASY VIB REED	U	JPL	MA	R		32	01	62	J	189600 4800256
B	4800393			BUSHING VIB REED CAP	U	JPL	MA	R		32	01	62	J	189700 4800256
D	4800394			VIB REED CAPACITOR	U	JPL	MA	R		32	01	62	J	189800 4800256
C	4800395			WAVEGUIDE ASSY 22	U	JPL	MA	R		32	01	62	J	069000 4800300
D	4800396		A	CB1 PLASMA ELECT	U	JPL	MA	R		32	04	62	J	192800 4800261
A	4800396	PL	A	CB1 PLASMA ELECT	U	JPL	MA	R		32	05	62	J	193200 4800396
J	4800397		A	CB1 PC PLASMA ELECT	U	JPL	MA	R		32	12	61	J	193300 4800396
D	4800398		B	CB2 PLASMA ELECT	U	JPL	MA	R		32	04	62	J	193400 4800261
A	4800398	PL	A	CB2 PLASMA ELECT	U	JPL	MA	R		32	05	62	J	193600 4800398
J	4800399		B	CB2 PC PLASMA ELECT	U	JPL	MA	R		32	04	62	J	193700 4800398
D	4800400			CB3 ASSY PLASMA ELEC	U	JPL	MA	R		32	12	61	J	193800 4800261
A	4800400	PL		CB3 ASSY PLASMA ELEC	U	JPL	MA	R		32	12	61	J	193900 4800400
C	4800401			CB3 PC PLASMA ELECT	U	JPL	MA	R		32	12	61	J	194000 4800400
D	4800402		A	CB4 PLASMA ELECT	U	JPL	MA	R		32	04	62	J	194100 4800261
A	4800402	PL	A	CB4 ASSY PLASMA ELEC	U	JPL	MA	R		35	05	62	J	194400 4800402
J	4800403		A	CB4 PC PLASMA ELECT	U	JPL	MA	R		32	04	62	J	194500 4800402
D	4800404			SUB-CHASS UPPER PLAS	U	JPL	MA	R		32	12	61	J	194600 4800261
B	4800405			WASHER SHOULDER	U	JPL	MA	R		35	01	62	J	194700 4800261
J	4800406		A	SHIELD CHASS ASSY	U	JPL	MA	R		32	01	62	J	199500 4800297
J	4800407			TOP SHIELD SCI EQUIP	U	JPL	MA	R		32	12	61	J	200300 4900501
J	4800408			RADIOMETER INSTALL	U	JPL	MA	R		35	01	62	J	059400 4100310
B	4800409			SHIM SWIVEL JOINT	U	JPL	MA	R		35	02	62	J	071400 4800408
C	4800410			SHIELD SUN ACTUATOR	U	JPL	MA	R		35	01	62	J	071500 4800408
B	4800411			SPACER SUN SHIELD	U	JPL	MA	R		35	01	62	J	071700 4800408

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								MAINT	ITEM		NO.	YY			
D	4800414			COVER WELDMENT REED			U JPL	MA	R	32	12	61	J	194900	4800261
B	4800416			WASHER SHLD INSULATG			U JPL	MA	R	32	01	62	J	069100	4800300
C	4800418			TRANSFORMER SHIELD			U JPL	MA	R	35	01	62	J	194800	4800261
B	4800420			INSULATOR 22KMC DET			U JPL	MA	R	32	01	62	J	069200	4800300
B	4800421			INSULATOR 15KMC DET			U JPL	MA	R	32	01	62	J	069300	4800300
C	4800422			CB2 CB3 PARTICLE FLX			U JPL	MA	R	32	02	62	J	037500	4800352
C	4800423			BRKT TUN FORK RADMT			U JPL	MA	R	32	02	62	J	069400	4800300
C	4800424		B	TUNING FORK INSULAT		*	U JPL	MA	R	32	09	62	J	069500	4800300
D	4800427			COVER HORN RADIOMETR			U JPL	MA	R	32	05	62	J	067700	4800376
D	4800428			COVER PW CONN RADMT			U JPL	MA	R	32	05	62	J	069600	4800300
D	4800429			COVER SIGNAL RADIMTR			U JPL	MA	R	32	05	62	J	069800	4800300
B	4800432			STUD RADIOMETER			U JPL	MA	R	32	05	62	J	070000	4800300
D	4800436		C	SCHEMATIC		*	U JPL	MA	R	32	07	62	J	068310	4800380
A	4800436	PL	C	MICROWAVE RADIOMETER		*	U JPL	MA	R	32	10	62	J	068315	4800436
B	4800437			INSULTR SUBCHAS SOLR			U JPL	MA	R	32	04	62	J	190000	4800260
B	4800438			INSULATOR SUBCHASSIS			U JPL	MA	R	32	04	62	J	190100	4800260
B	4800439			INSULATOR SUBCHASSIS			U JPL	MA	R	32	04	62	J	190200	4800260
B	4800440			INSULATOR SUBCHASSIS			U JPL	MA	R	32	04	62	J	196200	4800264
B	4800441			INSULATOR SUBCHASSIS			U JPL	MA	R	32	04	62	J	196300	4800264
B	4800442			INSULATOR SUBCHASS			U JPL	MA	R	32	04	62	J	196900	4800269
B	4800443			INSULTR SUBCHAS SWP			U JPL	MA	R	32	04	62	J	197000	4800269
B	4800477			TERMINAL BOARD			U JPL	MA	R	35	05	62	J	195000	4800261
B	4800477			TERMINAL BOARD			U JPL	MA	R	35	05	62	J	195200	4800261
B	4800478			TERMINAL BOARD			U JPL	MA	R	35	05	62	J	195100	4800261
B	4800478			TERMINAL BOARD			U JPL	MA	R	35	05	62	J	195300	4800261
B	4800479			TERMINAL BOARD			U JPL	MA	R	35	05	62	J	195400	4800261
C	4800489			INSULAT BD SUBASSY			U JPL	MA	R	32	07	62	J	064700	4800492
C	4800490			TB CURRENT LMT SUBAY			U JPL	MA	R	32	07	62	J	064800	4800492
C	4800491			BD CURRENT LMT SUBAY			U JPL	MA	R	32	07	62	J	064900	4800490
A	4800492	PL		CB CURRNT LMT SUBASY			U JPL	MA	R	32	07	62	J	065000	4800492
C	4800492			CB CURRNT LMT SUBASY			U JPL	MA	R	32	07	62	J	064600	4800496
C	4800493			HEAT SINK SUBASSEMBY			U JPL	MA	R	32	07	62	J	065200	4800496
C	4800494			HEAT SINK SUBASSEMBY			U JPL	MA	R	32	07	62	J	065300	4800496
D	4800495			SUBCHASS CURRENT LMT			U JPL	MA	R	32	07	62	J	065400	4800496
D	4800496			CURRENT LIMIT SUBASY			U JPL	MA	R	32	07	62	J	064500	4800339
A	4800496	PL		CURRENT LIMIT SUBASY			U JPL	MA	R	32	07	62	J	065700	4800496
C	4800497			SCHEMATIC DIAGRAM			U JPL	MA	R	35	07	62	J	065100	4800492
C	4800497			CURRENT LIMITR SCHEM			U JPL	MA	R	32	07	62	J	065800	4800496
C	4800501			XFORMER SUBASSY			U JPL	MA	R	32	07	62	J	065900	4800496
B	4800502			BUSHING SUBASSEMBLY			U JPL	MA	R	32	07	62	J	065500	4800495

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								MAINT	ITEM		NO.	YY			
B	4800503			BUSHING SUBASSEMBLY			U JPL	MA	R	32	07	62	J	065600	4800495
B	4800504			INSUL HEAT SUBASSY			U JPL	MA	R	32	07	62	J	066000	4800496
B	4800505			INSULT HT SINK SUBAY			U JPL	MA	R	32	07	62	J	066100	4800496
B	4800532			INSULATION BD SUBASY			U JPL	MA	R	32	07	62	J	066200	4800496
B	4800533		A	TB CURRENT LMT SUBAY			U JPL	MA	R	32	07	62	J	066300	4800496
D	4900033			SUBCHASS MACHINED			U JPL	MA	R	35	06	62	J	181000	4600329
	4900039			SUBCHASSIS MACHINED			U JPL	MA	R	35	07	61	J	145200	4600308
	4900039			SUBCHASSIS MACHINED			U JPL	MA	R	35	07	61	J	147800	4600309
	4900039			SUBCHASSIS MACHINED			U JPL	MA	R	35	07	61	J	158700	4600310
	4900039			SUBCHASSIS MACHINED			U JPL	MA	R	35	07	61	J	163100	4600311
J	4900225			CABLE INSTL 4A11		*	U JPL	MA	R	34	12	62	J	005600	4100306
J	4900226			CABLING -X AXIS 4A12		*	U JPL	MA	R	34	12	62	J	009200	4100306
D	4900227		B	SCHEMATIC DIAG 4A11		*	U JPL	MA	R	34	12	62	J	005700	4900225
D	4900228		B	SCHEMATIC DIAG 4A12		*	U JPL	MA	R	34	12	62	J	009300	4900226
B	4900229		A	2W1 COAX CABLE ASSY			U JPL	MA	R	35	03	62	J	005800	4900225
B	4900230			2W2 COAX CABLE ASSY			U JPL	MA	R	35	03	62	J	005900	4900225
B	4900231			COAX			U JPL	MA	R	35	01	62	J	006000	4900225
B	4900232			2W4 COAX CABLE ASSY			U JPL	MA	R	35	01	62	J	075400	4900256
B	4900233			2W5 COAX CABLE ASSY			U JPL	MA	R	35	01	62	J	075500	4900256
B	4900234			2W6 COAX CABLE ASSY			U JPL	MA	R	35	01	62	J	075600	4900256
C	4900236			9W10 INTERCONN SUBAY			U JPL	MA	R	35	05	62	J	220400	4700302
C	4900237			9W11 INTERCONN SUBAY			U JPL	MA	R	35	05	62	J	220500	4700302
D	4900238			9W12 INTERCONN			U JPL	MA	R	35	05	62	J	220600	4700302
C	4900239			9W29 CABLE ASSEMBLY			U JPL	MA	R	31	03	62	J	070100	4800300
B	4900241			9W31 CABLE ASSY			U JPL	MA	R	35	03	62	J	070200	4800300
B	4900242			9W34 CABLE A			U JPL	MA	R	35	03	62	J	070300	4800300
B	4900243			CABLE ASSY 9W32 COAX		*	U JPL	MA	R	35	11	62	J	070900	4900247
B	4900244			CABLE ASSY 9W33 COAX		*	U JPL	MA	R	35	11	62	J	071000	4900247
B	4900245			CABLE ASSY 9W35 COAX		*	U JPL	MA	R	35	11	62	J	071050	4900247
J	4900247		A	9W30 INTERCONN SUBAY		*	U JPL	MA	R	34	12	62	J	070800	4800300
J	4900248			WIRING 4A11 SOL PANL		*	U JPL	MA	R	34	12	62	J	006100	4900225
J	4900249			WIRING SOL PAN 4A12		*	U JPL	MA	R	35	12	62	J	009400	4900226
J	4900252			9W1 CABLE INSTL		*	U JPL	MA	R	35	12	62	J	075700	4900256
J	4900253			9W1 RING HARNESS		*	U JPL	MA	R	35	12	62	J	075712	4900256
B	4900254			GROUND WIRE ASSEMBLY			U JPL	MA	R	34	01	62	J	028200	4100320
D	4900255			WIRING HARNESS 9W21		*	U JPL	MA	R	35	11	62	J	075800	4900256
J	4900256			CABLING INSTALLATION		*	U JPL	MA	R	31	01	62	J	075300	4100310
B	4900257			GROUND WIRE ASSY			U JPL	MA	R	31	01	62	J	030300	4100400
J	4900258		A	WIRING HARNESS 9W2		*	U JPL	MA	R	35	11	62	J	075900	4900256
J	4900259			WIRING HARNESS 9W3		*	U JPL	MA	R	35	11	62	J	076000	4900256

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								SERIAL	THRU SER.		NO.	YY.				
J	4900260			SPACECRAFT CABLING	*	U	JPL	MA	R	35	11	62	J	076100	4900256	
J	4900261			WIRING HARNESS 9W4	*	U	JPL	MA	R	35	11	62	J	076200	4900256	
J	4900262			9W5 WIRING HARNESS	*	U	JPL	MA	R	35			O	076300	4900256	
J	4900263			WIRING HARNESS 9W6	*	U	JPL	MA	R	35	11	62	J	076400	4900256	
J	4900264			WIRING HARNESS 9W7	*	U	JPL	MA	R	35	11	62	J	076500	4900256	
D	4900265			WIRING HARNESS 9W8	*	U	JPL	MA	R	35	11	62	J	076600	4900256	
J	4900266			WIRING HARNESS 9W9	*	U	JPL	MA	R	35	11	62	J	076700	4900256	
J	4900268			WIRING HARNESS 9W20	*	U	JPL	MA	R	35	11	62	J	076900	4900256	
C	4900269			WIRING HARNESS 9W22	*	U	JPL	MA	R	35	11	62	J	077000	4900256	
D	4900270			WIRING HARNESS 9W23	*	U	JPL	MA	R	35	11	62	J	077100	4900256	
C	4900271			9W1 TB1 TB ASSEMBLY	*	U	JPL	MA	R	35	11	62	J	075714	4900252	
D	4900272			9W40 WIRING HARNESS	*	U	JPL	MA	R	35	11	62	J	075716	4900252	
C	4900273			WIRING HARNESS 9W14	*	U	JPL	MA	R	35	11	62	J	077200	4900256	
J	4900274			WIRING HARNESS 9W24	*	U	JPL	MA	R	35	11	62	J	077300	4900256	
D	4900276			S7C CABLING FLOW DGM	*	U	JPL	MA	R	35	11	62	J			
	4900277			GROUNDING DGM	*	U	JPL	MA	R	35			O			
D	4900299		B	ENVL 27A1 INFRA RED	*	U	JPL	MA	R	35	09	62	J	071200	4800300	
J	4900300		A	TROUGH SECTION ASSY	*	U	JPL	MA	R	35	12	62	J	075746	4900313	
J	4900300		A	TROUGH SECTION ASSY	*	U	JPL	MA	R	35	12	62	J	075760	4900314	
J	4900300		A	TROUGH SECTION ASSY	*	U	JPL	MA	R	35	12	62	J	075766	4900315	
J	4900300		A	TROUGH SECTION ASSY	*	U	JPL	MA	R	35	12	62	J	075774	4900316	
C	4900301		A	GUSSET TROUGH	*	U	JPL	MA	R	35	12	62	J	075732	4900311	
J	4900301		A	GUSSET TROUGH	*	U	JPL	MA	R	35	12	62	J	075740	4900312	
J	4900301		A	GUSSET TROUGH	*	U	JPL	MA	R	35	12	62	J	075750	4900313	
C	4900301		A	GUSSET TROUGH	*	U	JPL	MA	R	35	12	62	J	075762	4900314	
C	4900301		A	GUSSET TROUGH	*	U	JPL	MA	R	35	12	62	J	075768	4900315	
J	4900301		A	GUSSET TROUGH	*	U	JPL	MA	R	35	12	62	J	075776	4900316	
B	4900302		A	SHIM TROUGH HARNESS	*	U	JPL	MA	R	35	12	62	J	075722	4900318	
C	4900303		A	STIFFENER TROUGH	*	U	JPL	MA	R	35	12	62	J	075724	4900318	
B	4900304		A	HANGER TROUGH	*	U	JPL	MA	R	35	01	62	J	075726	4900318	
J	4900305		A	TROUGH SECTION ASSY	*	U	JPL	MA	R	35	12	62	J	075728	4900318	
B	4900307		A	STRAP TROUGH HARNESS	*	U	JPL	MA	R	35	01	62	J	075778	4900318	
C	4900308		A	CONNECTR BRKT TROUGH	*	U	JPL	MA	R	35	01	62	J	075752	4900313	
C	4900308		A	CONNECTR BRKT TROUGH	*	U	JPL	MA	R	35	01	63	J	075770	4900315	
B	4900309		A	TIE PLATE TROUGH	*	U	JPL	MA	R	35	12	62	J	075748	4900300	
C	4900310		A	GUSSET TROUGH	*	U	JPL	MA	R	35	12	62	J	075734	4900311	
D	4900311		A	TROUGH SECT ASY BAY6	*	U	JPL	MA	R	35	12	62	J	075730	4900305	
J	4900312		A	TROUGH SECTION ASSY	*	U	JPL	MA	R	35	12	62	J	075736	4900305	
D	4900313		A	TROUGH SECT ASY BAY5	*	U	JPL	MA	R	35	12	62	J	075744	4900305	
J	4900314		A	TROUGH SECTION ASSY	*	U	JPL	MA	R	35	12	62	J	075756	4900305	

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								SERIAL	THRU SER.		NO.	YY.				
J	4900315		A	TROUGH SECT ASSY	*	U	JPL	MA	R	35	10	62	J	075764	4900305	
J	4900316		A	TROUGH SECTION ASSY	*	U	JPL	MA	R	35	12	62	J	075772	4900305	
C	4900318		A	GUSSET TROUGH	*	U	JPL	MA	R	35	12	62	J	075718	4900252	
C	4900319		A	GUSSET TROUGH	*	U	JPL	MA	R	35	12	62	J	075754	4900313	
C	4900320		A	GUSSET TROUGH	*	U	JPL	MA	R	35	12	62	J	075742	4900312	
C	4900321		A	CONNECTOR BRKT LEG A	*	U	JPL	MA	R	35	12	62	J	077400	4900256	
C	4900322		A	CONNECTOR BRKT LEG C	*	U	JPL	MA	R	35	12	62	J	077500	4900256	
B	4900323		A	SUPT STRAP CABLE CLD	*	U	JPL	MA	R	35	12	62	J	077510	4900256	
J	4900501		C	PACKAGING ASSEMBLY	*	U	JPL	MA	R	35	02	62	J	077600	4100310	
J	4900502		B	CHASS ATTITUDE CONT	*	U	JPL	MA	R	34	01	62	J	200400	4900501	
D	4900503			HINGE PIN	*	U	JPL	MA	R	35	10	61	J	143900	4400204	
D	4900503			HINGE PIN	*	U	JPL	MA	R	35	10	61	J	144900	4500121	
D	4900503			HINGE PIN	*	U	JPL	MA	R	35	10	61	J	183200	4600333	
D	4900503			HINGE PIN	*	U	JPL	MA	R	35	10	61	J	199900	4800297	
D	4900503			HINGE PIN ELECT BOX	*	U	JPL	MA	R	35	10	61	J	202800	4900502	
D	4900504			HINGE INSTALLATION	*	U	JPL	MA	R	35	10	61	J	202900	4900502	
C	4900505		A	BRACKET DA-15 CONN	*	U	JPL	MA	R	35	12	62	J	203000	4900502	
C	4900506			SHIELD CHASSIS	*	U	JPL	MA	R	34	10	61	J	203100	4900502	
J	4901000		B	SUBCHASSIS MAG EL	*	U	JPL	MA	R	32	11	61	J	198510	4800293	
J	4901001			SHIELD CHASS ASSY	*	U	JPL	MA	R	35	12	62	J	203200	4900502	
C	4901002			SOLAR CELL ASSY	*	U	JPL	MA	R	35	02	62	J	203500	4900502	
C	4901003			TERMINAL BD SOL CELL	*	U	JPL	MA	R	35	02	62	J	203700	4901002	
C	F100	-2		BISTABLE MULTIVIB	*	U	ML	MA	R	32			O	198538	50243	
C	F100	-2		BISTABLE MULTIVIBR	*	U	ML	MA	R	32			O	198578	50243	
C	F100	-2		TRIGGER MODULE	*	U	ML	MA	R	32			O	198579	50243	
C	F100	-2		BISTABLE MULTIVIBR	*	U	ML	MA	R	32			O	198601	50243	
C	F201	-2		MONOSTABLE MULTIVIB	*	U	ML	MA	R	32			O	198561	50246	
A	F400	-2		TRIGGER MODULE	*	U	ML	MA	R	32			O	198539	50243	
A	F400	-2		TRIGGER MODULE	*	U	ML	MA	R	32			O	198602	50243	
A	F502	-3		DUAL DC INVERTER MOD	*	U	ML	MA	R	32			O	198540	50243	
C	F502	-3		DUAL DC INVERTER MOD	*	U	ML	MA	R	32			O	198580	50243	
A	F502	-3		DUAL DC INVERTER MOD	*	U	ML	MA	R	32			O	198603	50243	
C	F603	-2		DUAL AC EMITTER	*	U	ML	MA	R	32			O	198541	50243	
C	F603	-2		DUAL AC EMITTER	*	U	ML	MA	R	32			O	198581	50243	
A	F603	-2		DUAL AC EMITTER	*	U	ML	MA	R	32			O	198604	50243	
A	F803	-3		RC AMP MODULE	*	U	ML	MA	R	32			O	198542	50243	

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							SERIAL	THRU SER.					
C	F803	-3	RC AMP MODULE	*	U	ML	MA	R	32		0	198582	50243
A	F803	-3	RC AMP MODULE	*	U	ML	MA	R	32		0	198605	50243
A	F804	-2	RC AMP MODULE	*	U	ML	MA	R	32		0	198543	50243
C	F804	-2	RC AMP MODULE	*	U	ML	MA	R	32		0	198583	50243
A	F804	-2	RC AMP MODULE	*	U	ML	MA	R	32		0	198606	50243
A	F900	-2	RC PARAPHASE AMP MOD	*	U	ML	MA	R	32		0	198544	50243
C	F900	-2	RC PARAPHASE AMP MOD	*	U	ML	MA	R	32		0	198584	50243
A	F900	-2	RC PARAPHASE	*	U	ML	MA	R	32		0	198607	50243
C	F1000	-2	TUNED AMP MODULE	*	U	ML	MA	R	32		0	198545	50243
C	F1000	-2	TUNED AMP MODULE	*	U	ML	MA	R	32		0	198585	50243
C	F1000	-2	TUNED AMP MODULE	*	U	ML	MA	R	32		0	198608	50243
A	F1100	-2	PUSH PULL AMP MODULE	*	U	ML	MA	R	32		0	198546	50243
C	F1100	-2	PUSH PULL AMP MODULE	*	U	ML	MA	R	32		0	198586	50243
A	F1100	-2	PUSH PULL AMP MODULE	*	U	ML	MA	R	32		0	198609	50243
A	G4000	-2	REFERENCE MODULE	*	U	ML	MA	R	32		0	198562	50246
A	F4001	-3	FLUXGATE SPECIAL MOD	*	U	ML	MA	R	32		0	198547	50243
C	F4001	-3	FLUXGATE SPECIAL MOD	*	U	ML	MA	R	32		0	198587	50243
A	F4001	-3	FLUXGATE SPECIAL MOD	*	U	ML	MA	R	32		0	198610	50243
A	F4004	-2	DUAL RELAY DRIVER	*	U	ML	MA	R	32		0	198563	50246
A	SP30000	-1	INDUCTOR	*	U	ML	MA	R	32		0	198548	50243
A	SP30000	-1	INDUCTOR	*	U	ML	MA	R	32		0	198588	50243
A	SP30000	-1	INDUCTOR	*	U	ML	MA	R	32		0	198611	50243
A	SP30001	-1	TRANSFORMER	*	U	ML	MA	R	32		0	198549	50243
A	SP30001	-3	TRANSFORMER	*	U	ML	MA	R	32		0	198550	50243
A	SP30001	-4	TRANSFORMER	*	U	ML	MA	R	32		0	198551	50243
A	SP30001	-1	TRANSFORMER	*	U	ML	MA	R	32		0	198589	50243
A	SP30001	-3	TRANSFORMER	*	U	ML	MA	R	32		0	198590	50243
A	SP30001	-4	TRANSFORMER	*	U	ML	MA	R	32		0	198591	50243
A	SP30001	-1	TRANSFORMER	*	U	ML	MA	R	32		0	198612	50243
A	SP30001	-3	TRANSFORMER	*	U	ML	MA	R	32		0	198613	50243
A	SP30001	-4	TRANSFORMER	*	U	ML	MA	R	32		0	198614	50243
A	SP30002	-1	BAND PASS FILTER	*	U	ML	MA	R	32		0	198552	50243
C	SP30002	-2	BAND PASS FILTER	*	U	ML	MA	R	32		0	198592	50243
A	SP30002	-3	BAND PASS FILTER	*	U	ML	MA	R	32		0	198615	50243
R	SP30003	101	BLANK PANEL & CARRY	*	U	ML	MA	R	32		0	198513	T50067
R	SP30004	101	CASE ASSY PANEL MTG	*	U	ML	MA	R	32		0	198514	SP30003
R	SP30005	101	PANEL ASSY LWR BLANK	*	U	ML	MA	R	32		0	198515	SP30003
R	SP30006	101	PANEL ASSY LID BLANK	*	U	ML	MA	R	32		0	198516	SP30003
A	SP30031	-1	TRANSFORMER	*	U	ML	MA	R	32		0	198553	50243
A	SP30031	-1	TRANSFORMER	*	U	ML	MA	R	32		0	198593	50243

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							SERIAL	THRU SER.					
D	SP30031	-1	TRANSFORMER	*	U	ML	MA	R	32		0	198616	50243
A	SP30047		TRANSFORMER	*	U	ML	MA	R	32		0	198565	50246
A	SP30048		INDUCTOR	*	U	ML	MA	R	32		0	198564	50246
A	SP30052		BRACKET TERMINAL BD	*	U	ML	MA	R	32		0	198524	50143
A	SP30061		TRANSISTOR	*	U	ML	MA	R	32		0	198554	50243
A	SP30061		TRANSISTOR	*	U	ML	MA	R	32		0	198594	50243
A	SP30061		TRANSISTOR	*	U	ML	MA	R	32		0	198617	50243
B	SP30079		INSULATING SPACER	*	U	ML	MA	R	32		0	198535	50180
B	SP30080		INSULATING WASHER	*	U	ML	MA	R	32		0	198536	50180
A	S40003		TEST SPEC CHECK UNIT	*	U	ML	MA	R	32		0	198517	T50067
A	S40064		TEST SPEC CHECKOUT	*	U	ML	MA	R	32		0	198531	50180
R	T50031		SCHEM CHECKOUT CASE	*	U	ML	MA	R	32		0	198518	T50067
R	T50067	101	ML104-1 MAG TEST SET	*	U	ML	MA	R	32		0	198512	4800293
R	T50067	102	ML104-2 MAG TEST SET	*	U	ML	MA	R	32		0	198528	4800293
B	T50118		TB1 MAG TEST SET	*	U	ML	MA	R	32		0	198520	50141
B	T50119		TB2 MAG TEST SET	*	U	ML	MA	R	32		0	198522	50142
B	T50120		TB3 MAG TEST SET	*	U	ML	MA	R	32		0	198525	50143
A	50124		TRI-AX MAG PROBE ENV	*	U	ML	MA	R	32		0	198532	50180
C	50141		TB1 MAG TEST SET	*	U	ML	MA	R	32		0	198519	T50067
C	50142		TB2 MAG TEST SET	*	U	ML	MA	R	32		0	198521	T50067
C	50143		TB3 MAG TEST SET	*	U	ML	MA	R	32		0	198523	T50067
A	50144		WIRING LIST CHECKOUT	*	U	ML	MA	R	32		0	198526	T50067
D	T50156		CABLE HARNESS	*	U	ML	MA	R	32		0	198527	T50067
D	50179		TRI-AX MAGNETMR ENV	*	U	ML	MA	R	32		0	198533	50180
J	50180		ML126-1 MAGNETOMETER	*	U	ML	MA	R	32		0	198530	4800293
J	50180	101	MAGNETOMETER ASSY	*	U	ML	MA	R	32		0	198534	50180
J	50180	102	TRIAx FLUXGATE MAG	*	U	ML	MA	R	32		0	198576	50180
H	50227		SCHEMATIC	*	U	ML	MA	R	32		0	198625	50180
J	50241		CIRCUIT MASTER	*	U	ML	MA	R	32		0	198558	50242
J	T50241		CIRCUIT MASTER	*	U	ML	MA	R	32		0	198598	50242
J	T50241		CIRCUIT MASTER	*	U	ML	MA	R	32		0	198621	50242
D	50242	101	CB TRI FLUXGATE MAG	*	U	ML	MA	R	32		0	198555	50243
D	50242	-2	BOARD ASSY	*	U	ML	MA	R	32		0	198556	50242
D	50242	-1	BOARD	*	U	ML	MA	R	32		0	198557	50242
D	50242	-3	BOARD INSULATOR	*	U	ML	MA	R	32		0	198559	50242
D	50242	101	CIRCUIT BOARD	*	U	ML	MA	R	32		0	198595	50243
D	50242	-2	BOARD ASSY	*	U	ML	MA	R	32		0	198596	50242
D	50242	-1	BOARD DETAIL	*	U	ML	MA	R	32		0	198597	50242
D	50242	-3	BOARD INSULATOR	*	U	ML	MA	R	32		0	198599	50242
D	50242	101	CIRCUIT BOARD	*	U	ML	MA	R	32		0	198618	50243

\* DENOTES CHANGE TO PREVIOUS LIST

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## DRAWING LIST

REV	DRAWING NO.	BASK NO.	REV	TITLE	REV	CLASS	TERMS CODE	RELEASE FOR STUDY ITEM		REV.	DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	
								SERIAL	THRU REV					
D	50242	-2		BOARD ASSY	*	U	ML	MA	R	32		O	198619	50242
D	50242	-1		BOARD DETAIL	*	U	ML	MA	R	32		O	198620	50242
D	50242	-3		BOARD INSULATOR	*	U	ML	MA	R	32		O	198622	50242
J	50243	101		CB TRIAX FLUX MAG	*	U	ML	MA	R	32		O	198537	50180
J	50243	102		CB ASSY MAGNETOMETER	*	U	ML	MA	R	32		O	198577	50180
J	50243	103		CB3 ASSY	*	U	ML	MA	R	32		O	198600	50180
J	50244			CIRCUIT MASTER	*	U	ML	MA	R	32		O	198569	50245
D	50245	101		CB PWR SUP & IFC	*	U	ML	MA	R	32		O	198566	50246
D	50245	-2		BOARD ASSY	*	U	ML	MA	R	32		O	198567	50245
D	50245	-1		BOARD DETAIL	*	U	ML	MA	R	32		O	198568	50245
A	50245	-3		BOARD INSULATOR	*	U	ML	MA	R	32		O	198570	50245
D	50246	101		CIRCUIT BOARD ASSY	*	U	ML	MA	R	32		O	198560	50180
	50261	101		HOUSING	*	U	ML	MA	R	32		O	198572	50180
J	50261	-1		HOUSING	*	U	ML	MA	R	32		O	198573	50261
J	50261	-3		BRACKET	*	U	ML	MA	R	32		O	198574	50261
J	50261	-4		ANGLE	*	U	ML	MA	R	32		O	198575	50261
J	50261	102		HOUSING	*	U	ML	MA	R	32		O	198623	50180
J	50261	-2		HOUSING	*	U	ML	MA	R	32		O	198624	50261
R	50275			WIRING DGM	*	U	ML	MA	R	32		O	198626	50180
J	50283			WIRE LIST	*	U	ML	MA	R	32		O	198627	50180
L	50285			LAYOUT MAGNETOMETER	*	U	ML	MA	R	32		O	198628	50180
B	50287			POTTING CUP MODIFIED	*	U	ML	MA	R	32		O	198571	50246
D	50288			MA-R CHECKOUT ADAPTR	*	U	ML	MA	R	32		O	198529	750067
C	50289			SYS WIRING DIAGRAM	*	U	ML	MA	R	32		O	198629	50180
	14049			SELF-LKG 4-40X3/16	U	MOT	MA	R		33		O	148000	25380
	14049			SELF-LKG 4-40X3/16	U	MOT	MA	R		33		O	163300	25381
	14049			SELF-LKG 4-40X3/16	U	MOT	MA	R		33		O	145400	25382
	14049			SCR SELF-LKG PAN HD	U	MOT	MA	R		33		O	158900	25383
	14143			INS SLVG ELEC EXPAND	U	MOT	MA	R		33		O	159500	25367
	14143			INS SLVG FLEC EXPAND	U	MOT	MA	R		33		O	161500	25368
	14143			INS SLVG #18 WHT	U	MOT	MA	R		33		O	146600	25369
	14143			INS SLVG #18 WHT	U	MOT	MA	R		33		O	148600	25370
	14143			INS SLVG #18 WHT	U	MOT	MA	R		33		O	154200	25371
	14143			INS SLVG #18 WHT	U	MOT	MA	R		33		O	163900	25372
	14143			INS SLVG-ELEC-EXPAND	U	MOT	MA	R		33		O	166100	25373
	15013			PAN HD 6-32X 5/16	U	MOT	MA	R		33		O	148100	25380

\* DENOTES CHANGE TO PREVIOUS LIST

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### DRAWING LIST

REV	DRAWING NO.	PART NO.	CAGE	CLASS	REVISION	RELEASE FOR			RESP. DIV.	RELEASE DATE		DRAWING STATUS	NEXT ASSEMBLY	1
						REASON	ITEM	THRU REV.		MO.	YY			
	15013				U	MOT	MA	R	33		0	163400	25381	
	15013				U	MOT	MA	R	33		0	145500	25382	
	15013				U	MOT	MA	R	33		0	159000	25383	
	15015				U	MOT	MA	R	33		0	159600	25367	
	15015				U	MOT	MA	R	33		0	161600	25368	
	15015				U	MOT	MA	R	33		0	146700	25369	
	15015				U	MOT	MA	R	33		0	148700	25370	
	15015				U	MOT	MA	R	33		0	154300	25371	
	15015				U	MOT	MA	R	33		0	164000	25372	
	15015				U	MOT	MA	R	33		0	166200	25373	
	15021				U	MOT	MA	R	33		0	149600	25278	
	15021				U	MOT	MA	R	33		0	154800	25281	
	15021				U	MOT	MA	R	33		0	161800	25288	
	15021				U	MOT	MA	R	33		0	150600	25297	
	15021				U	MOT	MA	R	33		0	155800	25322	
	15021				U	MOT	MA	R	33		0	156200	25325	
	15021				U	MOT	MA	R	33		0	151200	25328	
	15021				U	MOT	MA	R	33		0	156600	25332	
	15021				U	MOT	MA	R	33		0	157000	25335	
	15021				U	MOT	MA	R	33		0	151700	25338	
	15021				U	MOT	MA	R	33		0	157400	25341	
	15021				U	MOT	MA	R	33		0	146100	25344	
	15021				U	MOT	MA	R	33		0	160500	25360	
	15021				U	MOT	MA	R	33		0	160900	25361	
	15021				U	MOT	MA	R	33		0	157800	25362	
	15021				U	MOT	MA	R	33		0	152100	25363	
	15021				U	MOT	MA	R	33		0	152500	25364	
	15021				U	MOT	MA	R	33		0	153000	25365	
	15021				U	MOT	MA	R	33		0	148800	25370	
	15021				U	MOT	MA	R	33		0	154400	25371	
	15021				U	MOT	MA	R	33		0	164100	25372	
	15021				U	MOT	MA	R	33		0	153400	25374	
	15022				U	MOT	MA	R	33		0	151300	25328	
	15067				U	MOT	MA	R	33		0	148200	25380	
	15067				U	MOT	MA	R	33		0	163500	25381	
	15067				U	MOT	MA	R	33		0	145600	25382	
	15067				U	MOT	MA	R	33		0	159100	25383	
	22465				U	MOT	MA	R	33		0	154500	25371	
	22485				U	MOT	MA	R	33		0	161000	25361	
	22486				U	MOT	MA	R	33		0	161100	25361	

\* DENOTES CHANGE TO PREVIOUS LIST

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							REVISION	THRU REV							
	22488			PC BD	U	MOT	MA	R	33			U	160600	25360	
	22489			PC BD	U	MOT	MA	R	33			U	160700	25360	
	22490			XMFR AF-CHPR DEMOD	U	MOT	MA	R	33			U	148900	25370	
	22490			TRANSFORMER AF	U	MOT	MA	R	33			U	154600	25371	
	22491			XMFR AF	U	MOT	MA	R	33			U	149000	25370	
	22491			XMFR AF-LOOP PH DET	U	MOT	MA	R	33			U	164200	25372	
	22494			HOUSING SUBCHASSIS	U	MOT	MA	R	33			U	148300	25380	
	22494			HOUSING SUBCHASSIS	U	MOT	MA	R	33			U	163600	25381	
	22497			HOUSING SUBCHASSIS	U	MOT	MA	R	33			U	159200	25383	
	22549			PCB	U	MOT	MA	R	33			U	158200	25366	
	22550			PCB	U	MOT	MA	R	33			U	158300	25366	
	22555			PCB	U	MOT	MA	R	33			U	157900	25362	
	22556			PCB	U	MOT	MA	R	33			U	158000	25362	
	22568			PCB	U	MOT	MA	R	33			U	153100	25365	
	22569			PCB	U	MOT	MA	R	33			U	153200	25365	
	22571			PCB	U	MOT	MA	R	33			U	152600	25364	
	22572			PCB	U	MOT	MA	R	33			U	152700	25364	
	22577			PCB	U	MOT	MA	R	33			U	152200	25363	
	22578			PCB	U	MOT	MA	R	33			U	152300	25363	
	22629			TRANSFORMER AF-211	U	MOT	MA	R	33			U	146800	25269	
	22630			TRANSFORMER AF-212	U	MOT	MA	R	33			U	146900	25369	
	22631			INDUCTOR-3MH	U	MOT	MA	R	33			U	147000	25369	
	22643			TRANSISTOR	U	MOT	MA	R	33			U	152800	25364	
	22645			HOUSING SUBCHASSIS	U	MOT	MA	R	33			U	145700	25382	
	22647			SPACER SUBCHASSIS	U	MOT	MA	R	33			U	148400	25380	
	22647			SPACER SUBCHASSIS	U	MOT	MA	R	33			U	163700	25381	
	22647			SPACER SUBCHASSIS	U	MOT	MA	R	33			U	145800	25382	
	22647			SPACER SUBCHASSIS	U	MOT	MA	R	33			U	159300	25383	
	25275			PH DET LOOP-CM MOD	U	MOT	MA	R	33			U	149100	25370	
	25275			LOOP PH DET-COM PH	U	MOT	MA	R	33			U	164300	25372	
	25276			PCB	U	MOT	MA	R	33			U	149300	25275	
	25277			PCB	U	MOT	MA	R	33			U	149400	25275	
	25278			QUAD PHASE DET MOD	U	MOT	MA	R	33			U	149500	25370	
	25279			PCB	U	MOT	MA	R	33			U	149700	25274	
	25280			PCB	U	MOT	MA	R	33			U	149800	25278	
	25281			CHOPPER	U	MOT	MA	R	33			U	154700	25371	
	25282			PCB	U	MOT	MA	R	33			U	154900	25281	
	25283			PCB	U	MOT	MA	R	33			U	155000	25281	
	25284			LOOP PH DET DRVR MOD	U	MOT	MA	R	33			U	149900	25370	
	25284			LOOP PH DET DRVR MOD	U	MOT	MA	R	33			U	155100	25371	

\* DENOTES CHANGE TO PREVIOUS LIST

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							REVISION	THRU REV							
	25284			LOOP PH DET DRVR MOD	U	MOT	MA	R	33			U	164400	25372	
	25285			PCB	U	MOT	MA	R	33			U	150000	25284	
	25285			PCB	U	MOT	MA	R	33			U	150300	25287	
	25286			PCB	U	MOT	MA	R	33			U	150100	25284	
	25286			PCB	U	MOT	MA	R	33			U	150400	25287	
	25287			QUAD PH DET DRVR MOD	U	MOT	MA	R	33			U	150200	25370	
	25288			DUAL DRIVER MODULE	U	MOT	MA	R	33			U	161700	25368	
	25288			LP DUAL DRIVER MOD	U	MOT	MA	R	33			U	164500	25372	
	25288			LP DUAL DRIVER MOD	U	MOT	MA	R	33			U	166300	25373	
	25289			PCB	U	MOT	MA	R	33			U	161900	25288	
	25290			PCB	U	MOT	MA	R	33			U	162000	25288	
	25291			DUAL&INVERT GATE MOD	U	MOT	MA	R	33			U	159700	25367	
	25291			DUAL&INVERT MODULE	U	MOT	MA	R	33			U	162100	25368	
	25291			L PWR DUAL-INV MOD	U	MOT	MA	R	33			U	155200	25371	
	25291			LP DUAL-INV GATE MOD	U	MOT	MA	R	33			U	164600	25372	
	25291			LP DUAL-INV GATE MOD	U	MOT	MA	R	33			U	166400	25373	
	25292			PCB	U	MOT	MA	R	33			U	155300	25291	
	25292			PCB	U	MOT	MA	R	33			U	153800	25384	
	25293			PCB	U	MOT	MA	R	33			U	155400	25291	
	25293			PCB	U	MOT	MA	R	33			U	153900	25384	
	25294			9 INPUT DET-INV MOD	U	MOT	MA	R	33			U	164700	25372	
	25295			PCB	U	MOT	MA	R	33			U	164800	25294	
	25297			DRIVER&INVERT GATE	U	MOT	MA	R	33			U	159800	25367	
	25297			DRIVER&INVERT GATE	U	MOT	MA	R	33			U	162200	25368	
	25297			DRIVER-INVERT MODULE	U	MOT	MA	R	33			U	150500	25370	
	25297			DRIVER-INV GATE MOD	U	MOT	MA	R	33			U	165000	25372	
	25298			PCB	U	MOT	MA	R	33			U	150700	25297	
	25299			PCB	U	MOT	MA	R	33			U	150800	25297	
	25304			PC BD1	U	MOT	MA	R	33			U	159900	25367	
	25305			PC BD2	U	MOT	MA	R	33			U	160000	25367	
	25306			PC1	U	MOT	MA	R	33			U	162300	25368	
	25307			PC BD2	U	MOT	MA	R	33			U	162400	25368	
	25308			PCB-#2	U	MOT	MA	R	33			U	150900	25370	
	25309			PCB-#1	U	MOT	MA	R	33			U	151000	25370	
	25310			PCB #2	U	MOT	MA	R	33			U	155500	25371	
	25311			PCB #1	U	MOT	MA	R	33			U	155600	25371	
	25312			PCB #2	U	MOT	MA	R	33			U	165100	25372	
	25313			PCB#1	U	MOT	MA	R	33			U	165200	25372	
	25314			PC#1	U	MOT	MA	R	33			U	166500	25373	
	25315			PC#2	U	MOT	MA	R	33			U	166600	25373	

\* DENOTES CHANGE TO PREVIOUS LIST

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**DRAWING LIST**

REV	DRAWING NO.	DATE	REV.	TITLE	U	S	VENDOR CODE	RELEASE FOR MAJOR ITEM	RESP. DIV.	RELEASE DATE MO. YE.	DRAWING CONTROL STATUS	MEET ASSEMBLY	S
	25317			PCB	U	MOT	MA R	SERIAL	THRU SER.		O	164900	25294
	25318			9 INPUT&INVERT MOD	U	MOT	MA R				O	160100	25367
	25318			INPUT&INVERT MODULE	U	MOT	MA R				O	162500	25368
	25319			PC BD	U	MOT	MA R				O	160200	25318
	25320			PC BD	U	MOT	MA R				O	160300	25318
	25322			LIMITER AMPL MODULE	U	MOT	MA R				O	155700	25371
	25323			PCB	U	MOT	MA R				O	155900	25322
	25324			PCB	U	MOT	MA R				O	156000	25322
	25325			LIMITER EMIT FOL MOD	U	MOT	MA R				O	156100	25371
	25326			PCB	U	MOT	MA R				O	156300	25325
	25327			PCB	U	MOT	MA R				O	156400	25325
	25328			8 MSEC MONO MODULE	U	MOT	MA R				O	151100	25370
	25329			PCB	U	MOT	MA R				O	151400	25328
	25330			PCB	U	MOT	MA R				O	151500	25328
	25331			VOLTAGE CONT OSC	U	MOT	MA R				O	165300	25372
	25332			COM INPUT AMPL MOD	U	MOT	MA R				O	156500	25371
	25333			PCB	U	MOT	MA R				O	156700	25332
	25334			PCB	U	MOT	MA R				O	156800	25332
	25335			COM OUPUT AMPL MOD	U	MOT	MA R				O	156900	25371
	25336			PCB	U	MOT	MA R				O	157100	25335
	25337			PCB	U	MOT	MA R				O	157200	25335
	25338			DUMP DRIVER MODULE	U	MOT	MA R				O	151600	25370
	25339			PCB 00-5-1/4	U	MOT	MA R				O	151800	25338
	25340			PCB	U	MOT	MA R				O	151900	25338
	25341			3 9V618V MODULE	U	MOT	MA R				O	157300	25371
	25342			PCB	U	MOT	MA R				O	157500	25341
	25343			PCB	U	MOT	MA R				O	157600	25341
	25344			6V 28V RECT MODULE	U	MOT	MA R				O	146000	25369
	25345			PCB	U	MOT	MA R				O	146200	25344
	25346			PCB	U	MOT	MA R				O	146300	25344
	25347			6 VOLT REC-FIL MOD	U	MOT	MA R				O	146400	25369
	25348			PCB	U	MOT	MA R				O	146500	25347
	25349			PCB	U	MOT	MA R				O	147100	25369
	25350			LOOP FILTER MODULE	U	MOT	MA R				O	165400	25372
	25351			PCB	U	MOT	MA R				O	165500	25350
	25352			PCB	U	MOT	MA R				O	165600	25350
	25353			PCB	U	MOT	MA R				O	147200	25369
	25360			IS SW MODULE	U	MOT	MA R				O	160400	25367
	25361			IP SW MODULE	U	MOT	MA R				O	160800	25367
	25361			IP SWITCH MODULE	U	MOT	MA R				O	162600	25368

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REV	DRAWING NO.	DATE	CAT. NO.	TITLE	CAT. NO.	VENOR CODE	RELEASE FOR MODS ITEM		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	1	
							SERIAL	THRU SER.		MO.	YE.			4	
	25361			IP SWITCH MODULE	U	MOT	MA	R	33			O	166700	25373	
	25362			LIMITER MODULE	U	MOT	MA	R	33			O	157700	25371	
	25363			DUAL INVERTER MODULE	U	MOT	MA	R	33			O	152000	25370	
	25364			DUAL DUMP MODULE	U	MOT	MA	R	33			O	152400	25370	
	25365			MATCHED FIL AMPL MOD	U	MOT	MA	R	33			O	152900	25370	
	25366			INPUT EMIT FOL MOD	U	MOT	MA	R	33			O	158100	25371	
	25367			DECODER ASSY	U	MOT	MA	R	33			O	159400	25383	
	25368			DECODER ASSY	U	MOT	MA	R	33			O	161400	25383	
	25369			POWER SUPPLY ASSY OF	U	MOT	MA	R	33			O	145900	25382	
	25370			FIL & PHASE 3A2A2	U	MOT	MA	R	33			O	148500	25380	
	25371			AMPL COMMAND-3A2A1	U	MOT	MA	R	33			O	154100	25380	
	25372			GEN PH LK-L 3A1A2	U	MOT	MA	R	33			O	163800	25381	
	25373			TELEMETRY 3A1A1	U	MOT	MA	R	33			O	165900	25381	
	25374			S/R/T FLIP FLOP MOD	U	MOT	MA	R	33			O	161200	25367	
	25374			S/R/T FLIP FLOP MOD	U	MOT	MA	R	33			O	162700	25368	
	25374			S/R/T FLIP-FLOP	U	MOT	MA	R	33			O	153300	25370	
	25374			S/R/T FLIP FLOP MOD	U	MOT	MA	R	33			O	165700	25372	
	25374			S/R/T FLIP-FLOP MOD	U	MOT	MA	R	33			O	166800	25373	
	25375			PCB	U	MOT	MA	R	33			O	153500	25374	
	25376			PCB	U	MOT	MA	R	33			O	153600	25374	
	25380			DETECTOR -3A2	U	MOT	MA	R	33			O	147900	4600309	
	25381			DETECTOR A-3A1	U	MOT	MA	R	33			O	163200	4600311	
	25382			POWER SUPPLY-3A3	U	MOT	MA	R	33			O	145300	4600308	
	25383			DECODER 3A4	U	MOT	MA	R	33			O	158800	4600310	
	25384			DET-INVERT GATE MOD	U	MOT	MA	R	33			O	153700	25370	
	25385			SPACER CONNECTOR	U	MOT	MA	R	33			O	158500	25380	
	25385			SPACER CONN ELEC	U	MOT	MA	R	33			O	166000	25381	
	25385			SPACER CONN ELEC	U	MOT	MA	R	33			O	147500	25382	
	25385			SPACER CONN ELEC	U	MOT	MA	R	33			O	162900	25383	
	25540			DUMMY MODULE	U	MOT	MA	R	33			O	147300	25369	
	25540			DUMMY MODULE	U	MOT	MA	R	33			O	166900	25373	
	29503			INS COMP FLEC PROTEC	U	MOT	MA	R	33			O	161300	25367	
	29503			INS LACQUER KIT	U	MOT	MA	R	33			O	162800	25368	
	29503			INS LACQUER	U	MOT	MA	R	33			O	147400	25369	
	29503			INS LACQUER KIT	U	MOT	MA	R	33			O	154000	25370	
	29503			INS LACQUER KIT	U	MOT	MA	R	33			O	158400	25371	
	29503			INS LACQUER KIT	U	MOT	MA	R	33			O	165800	25372	
	29503			INS LACQUER KIT	U	MOT	MA	R	33			O	167000	25373	
F	120123			XPONDER SUBASSY	U	MOT	MA	R	33	07	62	C	107300	4300187	
F	120148	B		OSCILLATOR RADIO	U	MOT	MA	R	33	07	62	C	107400	0120123	

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								REVISION	THIRD REV.					
F	120159	B		FREQUENCY DIVIDER	U	MOT	MA R			33	07 62	C	122000	0120178
D	120160	B		DETECTOR RADIO FREQU	U	MOT	MA R			33	07 62	C	123900	0120178
B	120168	B		FILTER SUBASSY LOW	U	MOT	MA R			33	07 62	C	111600	0120173
D	120170	B		CONVERTER FREQ ELECT	U	MOT	MA R			33	07 62	C	109000	0120123
D	120171			AMPLIFIER INTER FREQ	U	MOT	MA R			33	07 62	C	124900	0120178
D	120172			AMP 2 INTERMED FREQ	U	MOT	MA R			33	07 62	C	125900	0120178
D	120173	B		FILTER LOW PASS	U	MOT	MA R			33	07 62	C	111500	0120123
D	120174			AMPLIFIER DIRECT	U	MOT	MA R			33	07 62	C	126800	0120178
D	120175	B		OSCILLATOR RADIO	U	MOT	MA R			33	07 62	C	112400	0120123
D	120176	B		FREQUENCY MULTIPLIER	U	MOT	MA R			33	07 62	C	114300	0120123
D	120177			FREQ MULTIPLIER	U	MOT	MA R			33	07 62	C	117700	0120123
F	120178			XPONDER SUBASSY	U	MOT	MA R			33	07 62	C	121900	4300188
D	120199	B		AMPLIFIER SUBASSY	U	MOT	MA R			33	07 62	C	126000	0120172
H	120310	A		CAVITY TUNED X7	U	MOT	MA R			33	07 62	C	114400	0120176
B	120834	B		BLOCK MTG SUBASSY	U	MOT	MA R			33	07 62	C	109100	0120170
C	120855	B		FREQ CONVERTER LOWER	U	MOT	MA R			33	07 62	C	109600	0120170
D	120856	B		FREQ CONVERTER SUBAY	U	MOT	MA R			33	07 62	C	109900	0120170
D	120860	B		TRANSPONDER 890/960	*	U	MOT	MR6		33		O		
	120883	B		TRANSPONDER A1A7	*	U	MOT	MR6		33		O		
	120884	B		TRANSPONDER A2A7	*	U	MOT	MR6		33		O		
H	122726	A		CAVITY TUNED X4	U	MOT	MA R			33	07 62	C	117800	0120177
B	220126	B		NUT PLAIN HEXAGON	U	MOT	MA R			33	07 62	C	114500	0120310
C	320127	B		SCREW TUNER CAVITY	U	MOT	MA R			33	07 62	C	114600	0120310
C	320127	B		SCREW TUNER CAVITY	U	MOT	MA R			33	07 62	C	117900	0122726
C	320280	A		RETAINER THREADED	U	MOT	MA R			33	07 62	C	110200	0120170
	320325	A		SCR MACH FH 2-56 68	*	U	MOT	MA R		33		O		
	320898	B		FASTENER CONNECTOR	*	U	MOT	MR6		33		O		
B	420201	A		WASHER FLAT	U	MOT	MA R			33	07 62	C	128400	0120178
B	420202	A		WASHER FLAT	U	MOT	MA R			33	07 62	C	119000	0120177
	425211	B		WASHER SPACER	*	U	MOT	MA R		33		O		
B	520857	B		GROMMET METALLIC	U	MOT	MA R			33	07 62	C	110300	0120170
	620881			RES THERMAL	*	U	MOT	MR6		33		O		
D	720134	B		BRACKET CONNECTR MTG	U	MOT	MA R			33	07 62	C	120300	0120123
D	720137	B		BRACKET CONNECTR MTG	U	MOT	MA R			33	07 62	C	128500	0120178
D	720262	A		BRACKET RETAINER	U	MOT	MA R			33	07 62	C	110400	0120170
D	820219	A		CAPACITOR FIXED PLAS	U	MOT	MA R			33	07 62	C	111800	0120173
	1129509	A		INS VARNISH	*	U	MOT	MA R		33		O		
	1129509	A		INS VARNISH	*	U	MOT	MR6		33		O		
B	1420136	B		INSULATOR PLATE	U	MOT	MA R			33	07 62	C	111900	0120173
B	1420202	A		INSULATOR PLATE	U	MOT	MA R			33	07 62	C	126900	0120174

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								REVISION	THIRD REV.					
B	1420221	A		INSULATOR BUSHING	U	MOT	MA R			33	07 62	C	120400	0120123
B	1420277	A		INSULATOR XFORMER	U	MOT	MA R			33	07 62	C	120500	0120123
	1422686	A		INSULATOR PLATE	*	U	MOT	MA R		33		O		
B	1422730	A		INSULATOR CONTACT	U	MOT	MA R			33	07 62	C	114700	0120310
B	1422730	A		INSULATOR CONTACT	U	MOT	MA R			33	07 62	C	118000	0122726
C	1422733	A		INSULATOR	U	MOT	MA R			33	07 62	C	114800	0120310
C	1422733	A		INSULATOR	U	MOT	MA R			33	07 62	C	118100	0122726
B	1422750	B		INSULATOR CAV	U	MOT	MA R			33	07 62	C	118200	0122726
H	1520133	B		HOUSING XPONDER	U	MOT	MA R			33	07 62	C	128600	0120178
C	1520208	A		HOLDER CRYSTAL UNIT	U	MOT	MA R			33	07 62	C	108800	4822700
D	1520279	A		COVER DUST	U	MOT	MA R			33	07 62	C	110500	0120170
D	1520296	A		SHELL TUNED CAVITY	U	MOT	MA R			33	07 62	C	115700	0120176
D	1520306	A		SHELL TUNED CAVITY	U	MOT	MA R			33	07 62	C	119100	0120177
D	1522736	B		SHELL CAVITY SUBASSY	U	MOT	MA R			33	07 62	C	114900	0120310
D	1522736	B		SHELL CAVITY SUBASSY	U	MOT	MA R			33	07 62	C	118300	0122726
	2129500	A		CAP FIXED CERAMIC	*	U	MOT	MA R		33		O		
	2129519	B		CAP FIXED CERAMIC	*	U	MOT	MA R		33		O		
C	2420142	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07 62	C	107800	4620138
C	2420143	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07 62	C	108100	4620863
C	2420144	B		XFORMER RADIO VCO T3	U	MOT	MA R			33	07 62	C	108200	4620863
C	2420145	B		XFORMER RADIO VCO T4	U	MOT	MA R			33	07 62	C	108300	4620863
C	2420147	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07 62	C	108400	4620863
C	2420153	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07 62	C	122500	4620117
C	2420154	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07 62	C	122100	0120159
C	2420155	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07 62	C	123000	4620150
C	2420156	B		XFORMER RADIO T5	U	MOT	MA R			33	07 62	C	123300	4620151
C	2420157	B		XFORMER RADIO T6	U	MOT	MA R			33	07 62	C	123600	4620152
C	2420165	B		XFORMER RADIO T3	U	MOT	MA R			33	07 62	C	124600	4620162
C	2420166	B		XFORMER RADIO T4	U	MOT	MA R			33	07 62	C	124000	0120160
C	2420167	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07 62	C	124100	0120160
C	2420183	B		XFORMER RADIO T2	U	MOT	MA R			33	07 62	C	113200	4620179
C	2420185	B		XFORMER RADIO T4	U	MOT	MA R			33	07 62	C	113700	4620181
C	2420185	B		XFORMER RADIO T4	U	MOT	MA R			33	07 62	C	114000	4620854
C	2420196	B		XFMR RADIO FREQ	U	MOT	MA R			33	07 62	C	126100	0120199
C	2420197	B		XFMR RADIO FREQ	U	MOT	MA R			33	07 62	C	126200	0120199
C	2420198	B		XFMR RADIO FREQ	U	MOT	MA R			33	07 62	C	126300	0120199
C	2420381	A		XFMR RADIO FREQ	U	MOT	MA R			33	07 62	C	110600	0120170
C	2420382	A		XFMR RADIO FREQ	U	MOT	MA R			33	07 62	C	109700	0120855
C	2420383	A		XFMR RADIO FREQ	U	MOT	MA R			33	07 62	C	110700	0120170
C	2420384	A		COIL RADIO FREQ	U	MOT	MA R			33	07 62	C	110000	0120856

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							SERIAL	THRU SER.					
C	2420819	B	TRANSFORMER RF	*	U	MOT	MA	R	33	07 62	O		
C	2420820	B	XFMR RADIO FREQ		U	MOT	MA	R	33	07 62	C	119200	0120177
C	2420821	B	XFMR RADIO FREQ		U	MOT	MA	R	33	07 62	C	119300	0120177
C	2420827	B	XFMR RADIO FREQ		U	MOT	MA	R	33	07 62	C	115800	0120176
C	2420828	B	XFMR RADIO FREQ		U	MOT	MA	R	33	07 62	C	115900	0120176
C	2420831	B	COIL RADIO FREQ		U	MOT	MA	R	33	07 62	C	116400	4620823
C	2420836	B	XFMR RF FREQ		U	MOT	MA	R	33	07 62	C	109200	0120834
C	2420837	B	COIL RF FREQ CONVERT		U	MOT	MA	R	33	07 62	C	109300	0120834
C	2420841	B	COIL RADIO FREQ		U	MOT	MA	R	33	07 62	C	107500	0120148
C	2420850	B	COIL RADIO FREQ		U	MOT	MA	R	33	07 62	C	112500	0120175
C	2420864	B	XFMR RADIO FREQ VCO		U	MOT	MA	R	33	07 62	C	108500	4620863
C	2425202	B	XFMR RADIO FREQUENCY		U	MOT	MA	R	33	07 62	C	125300	4620186
C	2425213	B	COIL RADIO FREQ VARI		U	MOT	MA	R	33	07 62	C	116000	0120176
C	2425214	B	COIL RADIO FREQUENCY		U	MOT	MA	R	33	07 62	C	125000	0120171
C	2425216	B	XFMR RADIO FREQUENCY		U	MOT	MA	R	33	07 62	C	112600	0120175
C	2425217	B	XFMR RADIO FREQUENCY		U	MOT	MA	R	33	07 62	C	112700	0120175
C	2425220	B	COIL RAD FREQ DIVIDR		U	MOT	MA	R	33	07 62	C	122200	0120159
C	2425224	B	XFMR RAD FREQ CONVER		U	MOT	MA	R	33	07 62	C	109400	0120834
D	2522710	A	FILTER BAND PASS CRY		U	MOT	MA	R	33	07 62	C	126500	0120172
F	2720100	B	CHASS ELECT EQUIP		U	MOT	MA	R	33	07 62	C	107600	0120148
F	2720104	B	CHASS ELECT EQUIP		U	MOT	MA	R	33	07 62	C	125100	0120171
F	2720108	B	CHASSIS ELECT EQUIP		U	MOT	MA	R	33	07 62	C	122300	0120159
F	2720116	B	CHASS ELECT EQUIP		U	MOT	MA	R	33	07 62	C	124200	0120160
H	2720118	B	CHASS ELECT EQUIP		U	MOT	MA	R	33	07 62	C	126600	0120172
F	2720121	B	CHASS ELECT EQUIP		U	MOT	MA	R	33	07 62	C	112000	0120173
F	2720129	B	CHASS ELECT EQUIP		U	MOT	MA	R	33	07 62	C	119400	0120177
F	2720130	B	CHASS ELECT EQUIP		U	MOT	MA	R	33	07 62	C	116100	0120176
F	2720131	B	CHASS ELECT EQUIP		U	MOT	MA	R	33	07 62	C	127000	0120174
F	2720132	B	CHASS ELECT EQUIP		U	MOT	MA	R	33	07 62	C	110800	0120170
F	2720158	B	CHASS ELECT EQUIP		U	MOT	MA	R	33	07 62	C	112800	0120175
B	2720276	A	BASE COIL		U	MOT	MA	R	33	07 62	C	120600	0120123
F	2726593	B	CHASS ELECT EQUIP		U	MOT	MA	R	33	07 62	C	110900	0120170
F	2922698	A	TERMINAL STUD	*	U	MOT	MA	R	33	07 62	O		
C	2926826	B	LUG TERM		U	MOT	MA	R	33	07 62	O		
C	3020842	B	CABLE ASSY RF		U	MOT	MA	R	33	07 62	C	120700	0120123
C	3020842	B	CABLE ASSY RF		U	MOT	MA	R	33	07 62	C	128700	0120178
C	3020843	B	CABLE ASSY RF		U	MOT	MA	R	33	07 62	C	120800	0120123
C	3020843	B	CABLE ASSY RF		U	MOT	MA	R	33	07 62	C	128800	0120178
C	3020844	B	CABLE ASSY RF W16W11		U	MOT	MA	R	33	07 62	C	120900	0120123

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							SERIAL	THRU SER.					
C	3020844	B	CABLE ASSY RF W16W11		U	MOT	MA	R	33	07 62	C	128900	0120178
C	3020851	B	CABLE ASSY		U	MOT	MA	R	33	07 62	C	121000	0120123
C	3020851	B	CABLE ASSY		U	MOT	MA	R	33	07 62	C	129000	0120178
D	3020852	B	CABLE ASSY		U	MOT	MA	R	33	07 62	C	121100	0120123
D	3020853	B	CABLE ASSY		U	MOT	MA	R	33	07 62	C	129100	0120178
C	3020894	B	WIRE ELEC #25 HF	*	U	MOT	MA	R	33	07 62	O		
C	3020897	B	CABLE RF	*	U	MOT	MR6		33		O		
C	3026830	B	WIRE GOLD PLATED	*	U	MOT	MA	R	33		O		
C	3020894	B	WIRE ELEC #25HF	*	U	MOT	MA	R	33		O		
C	3920192	B	CONTACT ELECTRICAL		U	MOT	MA	R	33	07 62	C	115000	0120310
C	3920192	B	CONTACT ELECTRICAL		U	MOT	MA	R	33	07 62	C	118400	0122726
C	3920193	B	CONTACT ELECTRICAL		U	MOT	MA	R	33	07 62	C	115100	0120310
C	3920222	A	CONTACT EL MIXER		U	MOT	MA	R	33	07 62	C	110100	0120856
C	3920298	A	CONDUCTOR SECTION		U	MOT	MA	R	33	07 62	C	115200	0120310
C	3920298	A	CONDUCTOR SECTION		U	MOT	MA	R	33	07 62	C	118500	0122726
B	3922720	A	CONTACT STRIP		U	MOT	MA	R	33	07 62	C	121200	0120123
C	3922745	A	CONTACT ELEC MXR LWR		U	MOT	MA	R	33	07 62	C	111000	0120170
D	4220224	A	RETAINER SEMICONDUCT		U	MOT	MA	R	33	07 62	C	111100	0120170
	4220323	A	RETAINER CABLE	*	U	MOT	MA	R	33		O		
	4220814	B	RETAINER CABLE	*	U	MOT	MR6		33		O		
B	4225212	B	SUPPORT CABLE RET	*	U	MOT	MR6		33		O		
B	4320233	A	ALIGNMENT DEVICE		U	MOT	MA	R	33	07 62	C	115300	0120310
B	4320233	A	ALIGNMENT DEVICE		U	MOT	MA	R	33	07 62	C	118600	0122726
B	4322746	A	BUSHING CONTACT ELEC		U	MOT	MA	R	33	07 62	C	121300	0120123
C	4620101	B	BLOCK MTG SMALL VCO		U	MOT	MA	R	33	07 62	C	107900	4620138
C	4620105	B	BLOCK MTG XSISTOR		U	MOT	MA	R	33	07 62	C	125400	4620186
C	4620109	B	BLOCK MTG XFORMER		U	MOT	MA	R	33	07 62	C	123700	4620152
C	4620109	B	BLOCK MTG XFORMER		U	MOT	MA	R	33	07 62	C	113000	4620169
C	4620109	B	BLOCK MTG XFORMER		U	MOT	MA	R	33	07 62	C	113300	4620179
C	4620109	B	BLOCK MTG XFORMER		U	MOT	MA	R	33	07 62	C	113500	4620180
C	4620109	B	BLOCK MTG XFORMER		U	MOT	MA	R	33	07 62	C	113800	4620181
C	4620110	B	BLOCK MTG RF DET		U	MOT	MA	R	33	07 62	C	124400	4620161
C	4620111	B	BLOCK MTG XFORMER		U	MOT	MA	R	33	07 62	C	122800	4620149
C	4620111	B	BLOCK MTG XFORMER		U	MOT	MA	R	33	07 62	C	123400	4620151
C	4620112	B	BLOCK MTG FREQ		U	MOT	MA	R	33	07 62	C	123100	4620150
C	4620113	B	BLOCK MTG XFORMER		U	MOT	MA	R	33	07 62	C	122600	4620117
C	4620114	B	BLOCK MTG		U	MOT	MA	R	33	07 62	C	124700	4620162
B	4620117	B	BLOCK MTG FREQ DIVID		U	MOT	MA	R	33	07 62	C	122400	0120159
C	4620122	B	BLOCK MTG		U	MOT	MA	R	33	07 62	C	111700	0120168
C	4620122	B	BLOCK MTG		U	MOT	MA	R	33	07 62	C	112100	0120173

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							SERIAL	THRU REV.		NO. 15				
C	4620124	B		BLOCK MTG SECOND IF	U	MOT	MA	R	33	07	62	C	126400	0120199
C	4620135	B		BLOCK MTG FREQ	U	MOT	MA	R	33	07	62	C	109500	0120834
B	4620138	B		BLOCK MTG VCO T1	U	MOT	MA	R	33	07	62	C	107700	0120148
B	4620149	B		BLOCK MTG FREQ DIVID	U	MOT	MA	R	33	07	62	C	122700	0120159
B	4620150	B		BLOCK MTG FREQ DIVID	U	MOT	MA	R	33	07	62	C	122900	0120159
B	4620151	B		BLOCK MTG FREQ DIVID	U	MOT	MA	R	33	07	62	C	123200	0120159
B	4620152	B		BLOCK MTG FREQ DIVID	U	MOT	MA	R	33	07	62	C	123500	0120159
C	4620161	B		BLOCK MTG SUBASSY	U	MOT	MA	R	33	07	62	C	124300	0120160
B	4620162	B		BLOCK MTG RF DETECTR	U	MOT	MA	R	33	07	62	C	124500	0120160
B	4620169	B		BLOCK MTG AUX OSC Q1	U	MOT	MA	R	33	07	62	C	112900	0120175
B	4620179	B		BLOCK MTG AUX OSC Q2	U	MOT	MA	R	33	07	62	C	113100	0120175
B	4620180	B		BLOCK MTG AUX OSC Q3	U	MOT	MA	R	33	07	62	C	113400	0120175
B	4620181	B		BLOCK MTG AUX OSC Q5	U	MOT	MA	R	33	07	62	C	113600	0120175
B	4620186	B		BLOCK MTG FIRST	U	MOT	MA	R	33	07	62	C	125200	0120171
C	4620203		A	BLOCK MTG ANGLE	U	MOT	MA	R	33	07	62	C	116600	4620207
C	4620204		A	BLOCK MTG XSISTR LG	U	MOT	MA	R	33	07	62	C	116700	4620207
C	4620204	A		BLOCK MTG XSISTR LG	U	MOT	MA	R	33	07	62	C	127300	4620255
C	4620205	A		BLOCK MTG XFMR	U	MOT	MA	R	33	07	62	C	121400	0120123
C	4620207	A		BLOCK SUBASSY MTG	U	MOT	MA	R	33	07	62	C	119600	4620815
C	4620207	A		BLOCK SUBASSY MTG	U	MOT	MA	R	33	07	62	C	116500	4620823
C	4620207	A		BLOCK SUBASSY MTG	U	MOT	MA	R	33	07	62	C	117100	4620825
C	4620209		A	BLOCK MTG XSISTR	U	MOT	MA	R	33	07	62	C	116800	4620207
D	4620223	A		BLOCK MOUNTING DIODE	U	MOT	MA	R	33	07	62	C	109800	0120855
C	4620254	A		BLOCK MTG AGC AMPL	U	MOT	MA	R	33	07	62	C	127400	4620255
C	4620255	A		BLOCK AGC AMPL	U	MOT	MA	R	33	07	62	C	127200	4620845
C	4620255	A		BLOCK AGC AMPL	U	MOT	MA	R	33	07	62	C	127600	4620846
C	4620255	A		BLOCK AGC AMPL	U	MOT	MA	R	33	07	62	C	127800	4620847
C	4620255	A		BLOCK AGC AMPL	U	MOT	MA	R	33	07	62	C	128000	4620848
C	4620255	A		BLOCK AGC AMPL	U	MOT	MA	R	33	07	62	C	128200	4620849
C	4620316	A		BLOCK MTG XFMR	U	MOT	MA	R	33	07	62	C	112200	0120173
C	4620815	B		BLOCK MTG FREQ MULT	U	MOT	MA	R	33	07	62	C	119500	0120177
C	4620818	B		BLOCK MTG FREQ MULT	U	MOT	MA	R	33	07	62	C	119700	0120177
C	4620822	B		BLOCK MTG FREQ MULT	U	MOT	MA	R	33	07	62	C	119900	0120177
C	4620823	B		BLOCK MTG FREQ MULT	U	MOT	MA	R	33	07	62	C	116300	0120176
C	4620824	B		BLOCK MTG FREQ MULT	U	MOT	MA	R	33	07	62	C	116900	0120176
C	4620825	B		BLOCK MTG FREQ MULT	U	MOT	MA	R	33	07	62	C	117000	0120176
C	4620826	B		BLOCK MTG FREQ MULT	U	MOT	MA	R	33	07	62	C	117200	0120176
C	4620845	B		BLOCK MTG AMPL	U	MOT	MA	R	33	07	62	C	127100	0120174
C	4620846	B		BLOCK MTG AMPL	U	MOT	MA	R	33	07	62	C	127500	0120174
C	4620847	B		BLOCK MTG AMPL	U	MOT	MA	R	33	07	62	C	127700	0120174

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REV	DRAWING NO.	DATE NO.	REV.	TITLE	REV.	REV CODE	RELEASE FOR		REV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY		1 6
							MAJOR ITEM	THRU REV.		NO.	YY.		NO.	YY.	
C	4620848	B		BLOCK MTG AMPL	U	MOT	MA	R	33	07	62	C	127900	0120174	
C	4620849	B		BLOCK MTG AMPL	U	MOT	MA	R	33	07	62	C	128100	0120174	
B	4620854	B		BLOCK MOUNT AUX OSC	U	MOT	MA	R	33	07	62	C	113900	0120175	
C	4620861	B		BLOCK MTG VCO	U	MOT	MA	R	33	07	62	C	108600	4620863	
C	4620863	B		BLOCK MTG SUBASY VCO	U	MOT	MA	R	33	07	62	C	108000	0120148	
C	4622687	A		BLOCK MTG XSISTOR	U	MOT	MA	R	33	07	62	C	117400	4622695	
C	4622694	A		BLOCK MTG X16 MULT	U	MOT	MA	R	33	07	62	C	117500	4622695	
C	4622695	A		BLOCK SUBASSY MTG	U	MOT	MA	R	33	07	62	C	119800	4620818	
C	4622695	A		BLOCK SUBASSY MTG	U	MOT	MA	R	33	07	62	C	120000	4620822	
C	4622695	A		BLOCK SUBASSY MTG	U	MOT	MA	R	33	07	62	C	117300	4620826	
C	4625203	B		BLK MTG MTL XSISTR	U	MOT	MA	R	33	07	62	C	125600	4625204	
B	4625204	B		BLOCK MTG	U	MOT	MA	R	33	07	62	C	125500	0120171	
C	4625206	B		BLK ASSY MOUNTING	U	MOT	MA	R	33	07	62	C	125700	0120171	
C	4625228	B		BLK MTR TRANSISTOR	U	MOT	MA	R	33	07	62	C	121500	0120123	
	4820887	B		CAP VOLT VAR	*	U	MOT	MR6	33			O			
	4820888	B		SEMICON DEV DIODE	*	U	MOT	MA R	33			O			
	4820889	B		SEMICON DEV DIODE	*	U	MOT	MA R	33			O			
	4820890	B		SEMICON DEV IN831	*	U	MOT	MA R	33			O			
	4820891	B		DIODE SILICON	*	U	MOT	MA R	33			O			
	4820892	B		TRANSISTOR 2N708	*	U	MOT	MA R	33			O			
	4820892	B		TRANSISTOR 2N1711	*	U	MOT	MA R	33			O			
	4820893	B		TRANSISTOR 2N329A	*	U	MOT	MA R	33			O			
	4820896	B		CRYSTAL QUARTZ	*	U	MOT	MA R	33			O			
C	4822700	A		CRYSTAL UNIT QUARTZ	U	MOT	MA	R	33	07	62	C	108700	0120148	
C	4822700	A		CRYSTAL UNIT QUARTZ	U	MOT	MA	R	33	07	62	C	114100	0120175	
B	4920225	A		DISK CENTER TUNED	U	MOT	MA	R	33	07	62	C	115400	0120310	
B	4920225	A		DISK CENTER TUNED	U	MOT	MA	R	33	07	62	C	118700	0122726	
	6222688	A		ADHESIVE CONDUCTIVE	*	U	MOT	MA R	33			O			
	6222689	A		ADHESIVE	*	U	MOT	MA R	33			O			
	6222693	A		INSULATING COMPOUND	*	U	MOT	MR6	33			O			
	6320611	B		DETECTOR RF	*	U	MOT	MA R	33			O			
F	6320802	B		CONVERTER FREQ SCHEM	U	MOT	MA	R	33	07	62	C	111200	0120170	
F	6320803	B		OSCILLATOR AUXILIARY	U	MOT	MA	R	33	07	62	C	114200	0120175	
D	6320804	B		FREQ MULTIPLIER	U	MOT	MA	R	33	07	62	C	120100	0120177	
D	6320805	B		FILTER LOW PASS	U	MOT	MA	R	33	07	62	C	112300	0120175	
F	6320806	B		OSCILLATOR RADIO	U	MOT	MA	R	33	07	62	C	108900	0120148	
D	6320807	B		FREQ MULTI SCHEMATIC	U	MOT	MA	R	33	07	62	C	117600	0120176	
D	6320808	B		AMPLIFIER DIREC SCHM	U	MOT	MA	R	33	07	62	C	128300	0120174	
D	6320809	B		AMPL IMMEDIATE SCHEM	U	MOT	MA	R	33	07	62	C	126700	0120172	
F	6320810	B		AMPLIFIER FIRST	U	MOT	MA	R	33	07	62	C	125800	0120171	

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								SERIAL	THIRD REV.		NO.	YE.			
D	6320811	B		DETCOR SCHEMATIC			U	MOT	MA R	33	07	62	C	124800	0120160
F	6320812	B		FREQ DIVIDER			U	MOT	MA R	33	07	62	C	123800	0120159
	6322604			SCHEMATIC	*		U	MOT	MA R	33			O	145650	25382
	6325240			SCHEMATIC	*		U	MOT	MA R	33			O	149910	25284
	6325240			SCHEMATIC	*		U	MOT	MA R	33			O	164410	25284
	6325241			SCHEMATIC	*		U	MOT	MA R	33			O	160110	25318
	6325241			SCHEMATIC	*		U	MOT	MA R	33			O	162510	25318
	6325242			SCHEMATIC	*		U	MOT	MA R	33			O	150610	25297
	6325242			SCHEMATIC	*		U	MOT	MA R	33			O	159810	25297
	6325242			SCHEMATIC	*		U	MOT	MA R	33			O	162210	25297
	6325242			SCHEMATIC	*		U	MOT	MA R	33			O	165010	25297
	6325243			SCHEMATIC	*		U	MOT	MA R	33			O	153410	25374
	6325243			SCHEMATIC	*		U	MOT	MA R	33			O	161210	25374
	6325243			SCHEMATIC	*		U	MOT	MA R	33			O	162710	25374
	6325243			SCHEMATIC	*		U	MOT	MA R	33			O	165710	25374
	6325243			SCHEMATIC	*		U	MOT	MA R	33			O	166810	25347
	6325244			SCHEMATIC	*		U	MOT	MA R	33			O	149610	25278
	6325245			SCHEMATIC	*		U	MOT	MA R	33			O	150210	25287
	6325246			SCHEMATIC	*		U	MOT	MA R	33			O	149210	25275
	6325246			SCHEMATIC	*		U	MOT	MA R	33			O	164310	25275
	6325247			SCHEMATIC	*		U	MOT	MA R	33			O	157010	25335
	6325248			SCHEMATIC	*		U	MOT	MA R	33			O	154810	25281
	6325249			SCHEMATIC	*		U	MOT	MA R	33			O	158310	25366
	6325250			SCHEMATIC	*		U	MOT	MA R	33			O	151310	25328
	6325251			SCHEMATIC	*		U	MOT	MA R	33			O	152810	25364
	6325252			SCHEMATIC	*		U	MOT	MA R	33			O	156210	25325
	6325253			SCHEMATIC	*		U	MOT	MA R	33			O	158010	25362
	6325254			SCHEMATIC	*		U	MOT	MA R	33			O	155810	25322
	6325255			SCHEMATIC	*		U	MOT	MA R	33			O	152310	25363
	6325256			SCHEMATIC	*		U	MOT	MA R	33			O	160710	25360
	6325257			SCHEMATIC	*		U	MOT	MA R	33			O	161110	25361
	6325257			SCHEMATIC	*		U	MOT	MA R	33			O	162610	25361
	6325257			SCHEMATIC	*		U	MOT	MA R	33			O	166710	25361
	6325258			SCHEMATIC	*		U	MOT	MA R	33			O	165410	25350
	6325259			SCHEMATIC	*		U	MOT	MA R	33			O	155210	25291
	6325259			SCHEMATIC	*		U	MOT	MA R	33			O	159710	25291
	6325259			SCHEMATIC	*		U	MOT	MA R	33			O	162110	25291
	6325259			SCHEMATIC	*		U	MOT	MA R	33			O	164610	25291
	6325259			SCHEMATIC	*		U	MOT	MA R	33			O	166410	25291
	6325260			SCHEMATIC	*		U	MOT	MA R	33			O	161810	25288

\* DENOTES CHANGE TO PREVIOUS LIST

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								SERIAL	THIRD REV.		NO.	YE.			
	6325260			SCHEMATIC	*		U	MOT	MA R	33			O	164510	25288
	6325260			SCHEMATIC	*		U	MOT	MA R	33			O	166310	25288
	6325261			SCHEMATIC	*		U	MOT	MA R	33			O	157410	25341
	6325262			SCHEMATIC	*		U	MOT	MA R	33			O	153210	25365
	6325263			SCHEMATIC	*		U	MOT	MA R	33			O	151710	25338
	6325354			SCHEMATIC	*		U	MOT	MA R	33			O	153910	25384
	6325356			SCHEMATIC	*		U	MOT	MA R	33			O	164910	25294
	6325357			SCHEMATIC	*		U	MOT	MA R	33			O	156810	25332
B	6420882	B		PLATE TUNED CAVITY	*		U	MOT	MA R	33			O		
A	6420291	A		PLATE END TUNED CAVT			U	MOT	MA R	33	07	62	C	115900	0120310
B	6420291	A		PLATE END TUNED CAVT			U	MOT	MA R	33	07	62	C	118800	0122726
C	6420882	B		PLATE TUNED CAVITY			U	MOT	MA R	33	07	62	C	115600	0120310
C	6420882	B		PLATE TUNED CAVITY			U	MOT	MA R	33	07	62	C	118900	0122726
	6922594			LOGIC DRAWING	*		U	MOT	MA R	33			O	147850	4600309
	6922594			LOGIC DRAWING	*		U	MOT	MA R	33			O	163110	4600311
	6922566			LOGIC DRAWING	*		U	MOT	MA R	33			O	158750	4600310
B	7420278	A		FORM COIL			U	MOT	MA R	33	07	62	C	121600	0120123
B	7420838	B		FORM COIL			U	MOT	MA R	33	07	62	C	111400	7720835
B	7422752	A		FORM COIL X16			U	MOT	MA R	33	07	62	C	120200	0120177
B	7720835	B		TUNING ASSY			U	MOT	MA R	33	07	62	C	111300	0120170
C	L213			RAIL			U	NOR	MA R	34			O	037300	4800349
A	106100	PL	B	AUTOPILOT ELECTRONIC			U	NOR	MA R	34	05	62	J	131400	106100
D	106100		B	AUTOPILOT ACTUATOR			U	NOR	MA R	34	05	62	J	131100	4300204
D	106101		B	AUTOPILOT ELECTRONIC			U	NOR	MA R	34	05	62	J	131500	106100
6	106102		B	TB AUTOPLT ACTR ELEC			U	NOR	MA R	34	02	62	J	131600	106100
	106103			ART WORK			U	NOR	MA R	34	02	62	J	131700	106102
	106104			ART WORK			U	NOR	MA R	34	02	62	J	131800	106102
D	106105		A	SUBCHASS AUTOPILOT			U	NOR	MA R	34	02	62	J	131900	106100
B	106106		A	SLEEVE INSUL AUTOPLT			U	NOR	MA R	34	02	62	J	131200	106100
B	106107			WASHER-INSUL AUTOPLT			U	NOR	MA R	34	02	62	J	131300	106100
6	106118		E	SUBCHAS ANT&PHP			U	NOR	MA R	34	02	62	J	132200	106110
6	106119		D	SERVO ANT DRIVE ASSY			U	NOR	MA R	34	02	62	J	132300	106130
D	106120		B	SPACER ANT&PHP SERVO			U	NOR	MA R	34	02	62	J	132800	106119
C	106121		B	SHIELD ANT&PHP			U	NOR	MA R	34	02	62	J	132400	106119
C	106122		A	SPT ANT&PHP SERVO			U	NOR	MA R	34	02	62	J	132500	106119
C	106123		A	CPLG ANT&PHP SERVO			U	NOR	MA R	34	02	62	J	132600	106119

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							SERIAL	THRU SER.		MO.	YR.			
I	106124	B	C	GUIDE ANT&PHP SERVO	U	NOR	MA R		34	02	62	J	132700	106119
D	106125	C		CAP SEAL ANT&PMP	U	NOR	MA R		34	02	62	J	132900	106130
D	106126	B	A	INS ANT&PMP ELECT	U	NOR	MA R		34	02	62	J	133000	106130
4	106127	A	A	XMFR ASSY ANT&PMP	U	NOR	MA R		34	02	62	J	133100	106130
A	106130	PL	C	ANT SERVO ELECTRONCS	U	NOR	MA R		34	02	62	J	133200	106130
6	106130	C		ANT SERVO SUBASSY	U	NOR	MA R		34	02	62	J	132100	4300205
	106131	E		ANT SERVO SUBASSY	U	NOR	MA R		34	02	62	J	133300	106130
6	106132			TERM BD ANT SERVO	U	NOR	MA R		34	02	62	J	133400	106130
	106133			ART WORK	U	NOR	MA R		34	02	62	J	133500	106132
	106134			ART WORK	U	NOR	MA R		34	02	62	J	133600	106132
	6141500	3	RIB		U	RAN	MA R		33			O	129300	4300194
	6141500	4	TUNING BLOCK		U	RAN	MA R		33			O	129400	4300194
	6141501	5	RESONATOR		U	RAN	MA R		33			O	129500	4300194
	6141502	2	TEFLON SUPPORT		U	RAN	MA R		33			O	129900	4300194
	6141502	5	FILTER HOUSING		U	RAN	MA R		33			O	129700	4300194
	6141502	6	COVER		U	RAN	MA R		33			O	128800	4300194
	6141502	7	DISPLAY FILTER FL204		U	RAN	MA R		33			O	129600	4300194
	6141504	1	DIELECTRIC SUPPORT		U	RAN	MA R		33			O	130100	4300194
	6141504	2	ANT COUPLING ASSY		U	RAN	MA R		33			O	130200	4300194
	6141504	3	SET SCREW		U	RAN	MA R		33			O	130300	4300194
	6141504	4	SUPPORT ROD		U	RAN	MA R		33			O	130400	4300194
	6141504	5	RESONATOR SHAFT		U	RAN	MA R		33			O	130500	4300194
	6141504	6	SUPPORT NUT		U	RAN	MA R		33			O	130600	4300194
	6141504	7	FILTER ASSY FL204		U	RAN	MA R		33			O	130000	4300194
	6151002	2	CD ANTENNA CPLR 2A15	*	U	RAN	MA R		33			O	006200	4100306
A	6151002	3	EXTENSION	* U	RAN	MA R			33			O		
A	6151002	4	CENTOR CONDUCTOR ASY	* U	RAN	MA R			33			O		
A	6151002	5	SCREW CONN LOCK	* U	RAN	MA R			33			O		
B	6151002	6	MOUNTING PLATE	* U	RAN	MA R			33			O		
A	6151002	7	SCREW MODIF	* U	RAN	MA R			33			O		
A	6151002	8	INSULATING SPACER	* U	RAN	MA R			33			O		
A	6151002	9	SPACER	* U	RAN	MA R			33			O		
A	6151003	0	EXTENSION	* U	RAN	MA R			33			O		
B	6151003	1	INSULATING SPACER	* U	RAN	MA R			33			O		
B	6151003	3	INSULATING SPACER	* U	RAN	MA R			33			O		
B	6151003	4	INSULATING SPACER	* U	RAN	MA R			33			O		

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REV	DRAWING NO.	BATCH NO.	REV	TITLE	U	UNIT	VENUE CODE	RELEASE FOR		RESP. ENG.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY
								PROJECT ITEM	THIRD EXP.		NO.	TA.		
B	6151003	5		INSULATING SPACER	*	U	RAN	MA	R	33			O	
B	6151003	6		RESISTOR HOLDER	*	U	RAN	MA	R	33			O	
B	6151003	7		RESISTOR ASSY	*	U	RAN	MA	R	33			O	
B	6151003	8		CONNECTOR	*	U	RAN	MA	R	33			O	
B	6151003	9		INNER CONDUCTOR	*	U	RAN	MA	R	33			O	
B	6151004	0		INNER CONDUCTOR	*	U	RAN	MA	R	33			O	
C	6151004	1		COUPLER HOUSING	*	U	RAN	MA	R	33			O	
A	6151004	2		BEAD	*	U	RAN	MA	R	33			O	
A	6151004	3		SLEEVE	*	U	RAN	MA	R	33			O	
	6160500	0		CIRC & POWER MONITOR	*	U	RAN	MA	R	33			O	
A	6160500	3		INSULATOR	*	U	RAN	MA	R	33			O	
D	6160501	4		HOUSING LOWER	*	U	RAN	MA	R	33			O	
D	6160501	3		HOUSING UPPER	*	U	RAN	MA	R	33			O	
C	6160501	7-2		HOUSING	*	U	RAN	MA	R	33			O	
C	6160501	9		BRACKET	*	U	RAN	MA	R	33			O	
C	6160501	5		CONNECTOR	*	U	RAN	MA	R	33			O	
C	6160501	8		BRACKET SUPPORT	*	U	RAN	MA	R	33			O	
C	6160501	6		CONNECTR SPEC TYPE N	*	U	RAN	MA	R	33			O	
C	6160501	7-1		HOUSING	*	U	RAN	MA	R	33			O	
D	6160501	4		HOUSING LOWER	*	U	RAN	MA	R	33			O	
C	6160502	2		SPIDER	*	U	RAN	MA	R	33			O	
B	6160502	9		SPACER	*	U	RAN	MA	R	33			O	
C	6160502	3		RESISTOR HOUSING	*	U	RAN	MA	R	33			O	
B	6160502	8		SPACER	*	U	RAN	MA	R	33			O	
C	6160502	1		MOUNTING BRACKET	*	U	RAN	MA	R	33			O	
C	6160502	0		MOUNTING BRACKET	*	U	RAN	MA	R	33			O	
B	6160502	5		MAGNET	*	U	RAN	MA	R	33			O	
B	6160502	4		FERRITE	*	U	RAN	MA	R	33			O	
B	6160502	6		POLE PIECE	*	U	RAN	MA	R	33			O	
A	6160503	4		LOAD SUBASSY	*	U	RAN	MA	R	33			O	
A	6160503	2		CENTER CONDUCTOR	*	U	RAN	MA	R	33			O	
B	6160503	9		TUBE ASSY	*	U	RAN	MA	R	33			O	
B	6160503	8		FLANGE	*	U	RAN	MA	R	33			O	
A	6160503	7		TUBE	*	U	RAN	MA	R	33			O	
A	6160503	5		RESISTOR HOLDER	*	U	RAN	MA	R	33			O	
A	6160503	1		PLATE	*	U	RAN	MA	R	33			O	
A	6160503	6		BEAD	*	U	RAN	MA	R	33			O	
A	6160503	0		LOCKING NUT	*	U	RAN	MA	R	33			O	
A	6160503	3		SUPPORT	*	U	RAN	MA	R	33			O	
A	6160504	6		DIODE	*	U	RAN	MA	R	33			O	

\* DENOTES CHANGE TO PREVIOUS LIST

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**DRAWING LIST**

REV	DRAWING NO.	DASH NO.	REV	TITLE	CIR	CLASS	REVISION CODE	RELEASE FOR		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								REPROD.	THRU SER.		MO.	YR.			
B	6160504	4		INNER CONDUCTOR	*	U	RAN	MA	R	33			O		
A	6160504	0		INSULATOR	*	U	RAN	MA	R	33			O		
A	6160504	1		INSULATOR	*	U	RAN	MA	R	33			O		
A	6160504	3		INNER CONDUCTOR	*	U	RAN	MA	R	33			O		
D	6160504	9		COUPLER HOUSING	*	U	RAN	MA	R	33			O		
A	6160504	2		PLATE	*	U	RAN	MA	R	33			O		
D	6160504	8		HOUSING MACH	*	U	RAN	MA	R	33			O		
C	6160504	7		COVER	*	U	RAN	MA	R	33			O		
A	6160505	9		LOAD ASSY	*	U	RAN	MA	R	33			O		
C	6160505	0		SPIDER ASSY	*	U	RAN	MA	R	33			O		
C	6160505	7		COVER	*	U	RAN	MA	R	33			O		
A	6160505	8		TUNING SCREW	*	U	RAN	MA	R	33			O		
B	6160506	5		COUPLER SUB-ASSY	*	U	RAN	MA	R	33			O		
A	6160506	7		SPACER	*	U	RAN	MA	R	33			O		
C	6160506	6		DIRECTIONAL CPLR ASY	*	U	RAN	MA	R	33			O		
A	6160506	9		SCREW MODIF	*	U	RAN	MA	R	33			O		
B	6160508	7		POLE PIECE	*	U	RAN	MA	R	33			O		
B	6160508	8		SHUNT	*	U	RAN	MA	R	33			O		
B	6160509	1		CIRC & PWR MON SCHEM	*	U	RAN	MA	R	33			O		
B	6160510	7		CONTACT ASSY	*	U	RAN	MA	R	33			O		
B	6160510	6		CONTACT PLATE	*	U	RAN	MA	R	33			O		
A	6160510	5		CRYSTAL SLIP	*	U	RAN	MA	R	33			O		
A	6160510	3		CUP	*	U	RAN	MA	R	33			O		
A	6160510	4		CONTACT PLATE	*	U	RAN	MA	R	33			O		
A	6160512	5		INSULATION	*	U	RAN	MA	R	33			O		
A	6160512	8		CRYSTAL CAP	*	U	RAN	MA	R	33			O		
B	6160512	7-1		MONITOR PROBE ASSY	*	U	RAN	MA	R	33			O		
A	6160513	4		HOLDER	*	U	RAN	MA	R	33			O		
A	6160513	3		RESISTOR HOLDER	*	U	RAN	MA	R	33			O		
B	6160513	0		CONNECTOR	*	U	RAN	MA	R	33			O		
B	6160513	1		TERMINAL BOARD MODIF	*	U	RAN	MA	R	33			O		
B	V100017			SCREW-MACHINE		U	RYN	MA	R	35	04	62	J	006400	V100050
B	V100017			SCREW-MACHINE ROUND		U	RYN	MA	R	35	04	62	J	009600	V100050
J	V100050			SOLAR PANEL		U	RYN	MA	R	35	10	62	J	006300	4100306
J	V100050		D	SOLAR PANEL		U	RYN	MA	R	35	10	62	J	009500	4100306
C	V100051			SPLICE STRIP CENTRAL		U	RYN	MA	R	35	04	62	J	006200	V100050

\* DENOTES CHANGE TO PREVIOUS LIST

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**DRAWING LIST**

REV	DRAWING NO.	DASH NO.	REV	TITLE	CIR	CLASS	REVISION CODE	RELEASE FOR		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								REPROD.	THRU SER.		MO.	YR.			
C	V100051			SPLICE STRIP CENTRAL		U	RYN	MA	R	35	04	62	J	009700	V100050
B	V100052		B	BUSHING	*	U	RYN	MA	R	35	01	63	J	006600	V100050
B	V100052		B	BUSHING	*	U	RYN	MA	R	35	01	63	J	009800	V100050
D	V100053			DOUBLER ASSY		U	RYN	MA	R	35	04	62	J	006700	V100050
D	V100053			DOUBLER ASSY		U	RYN	MA	R	35	04	62	J	009900	V100050
D	V100057		E	BEAM ASSY	*	U	RYN	MA	R	35	01	63	J	005800	V100050
D	V100057		E	BEAM ASSY	*	U	RYN	MA	R	35	01	63	J	010000	V100050
D	V100059			GUIDE RAMP SHROUD		U	RYN	MA	R	35	04	62	J	006900	V100050
D	V100059			GUIDE RAMP SHROUD		U	RYN	MA	R	35	04	62	J	010100	V100050
D	V100061			RAMP GUIDE SOLAR PAN		U	RYN	MA	R	35	04	62	J	007000	V100050
D	V100061			RAMP GUIDE SOLAR PNL		U	RYN	MA	R	35	04	62	J	010200	V100050
J	V100062			SOLAR PANEL		U	RYN	MA	R	35	10	62	J	009100	4100525
B	449101			PCB SW MODULE UPPER		U	TI	MA	R	33			O	172100	449104
C	449102			SWITCH HIGH LEVEL		U	TI	MA	R	33			O	174200	457763
B	449103			PCB LO LEVEL SWITCH		U	TI	MA	R	33			O	172200	449104
C	449104			SWITCH LOW LEVEL		U	TI	MA	R	33			O	172000	457789
C	449104			SWITCH LOW LEVEL		U	TI	MA	R	33			O	179800	460073
B	457738		A	GROMMET TEFLON #1		U	TI	MA	R	33			O	175000	457782
B	457739			GROMMET TEFLON #2		U	TI	MA	R	33			O	172300	449104
B	457740		A	INSULATION SH ELECT		U	TI	MA	R	33			O	172400	449104
B	457740		A	INSULATION SH ELECT		U	TI	MA	R	33			O	175100	457782
C	457744		A	SHIELD SWITCH		U	TI	MA	R	33			O	172500	449104
C	457744		A	SHIELD SWITCH		U	TI	MA	R	33			O	175200	457782
F	457762			PCB DECKS C6D		U	TI	MA	R	33			O	174300	457763
D	457763			SOLID STATE DKS C6D		U	TI	MA	R	33			O	174100	460805
F	457768			PCB DECKS A6B		U	TI	MA	R	33			O	175800	457769
D	457769			SOLID STATE DKS A6B		U	TI	MA	R	33			O	175700	460805
B	457770			SCHEM SW LOW LEVEL		U	TI	MA	R	33			O	172600	449104
B	457775			PCB UNIV BISTABLE #1		U	TI	MA	R	33			O	174500	457777
B	457776			PCB UNIV BISTABLE #2		U	TI	MA	R	33			O	174600	457777
C	457777		A	UNIV BISTABLE MODULE		U	TI	MA	R	33			O	174400	457763
C	457777		A	UNIV BISTABLE MODULE		U	TI	MA	R	33			O	175900	457769
C	457777		A	UNIV BISTABLE MODULE		U	TI	MA	R	33			O	176700	460023
C	457777		A	UNIV BISTABLE MODULE		U	TI	MA	R	33			O	177100	460025
C	457777		A	UNIV BISTABLE MODULE		U	TI	MA	R	33			O	173000	460037
C	457777		A	UNIV BISTABLE MODULE		U	TI	MA	R	33			O	178400	460049

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REV	DRAWING NO.	BASE NO.	REV	TITLE	U	C	VENDOR CODE	RELEASE FOR MAJOR ITEM		REV. DIR.	RELEASE DATE	DRAWING CONTROL STATUS	PART NO.	NEXT ASSEMBLY	REV
								SERIAL	THRU SER.						
C	457777		A	UNIV BISTABLE MODULE	U	T	MA R			33		0	179900	460073	
C	457777		A	UNIV BISTABLE MODULE	U	T	MA R			33		0	169900	460892	
C	457777		A	UNIV BISTABLE MODULE	U	T	MA R			33		0	170300	460894	
C	457778			SCHEM UNIV BISTABLE	U	T	MA R			33		0	174700	457777	
C	457779			SCHEM HI SPD BINARY	U	T	MA R			33		0	174800	457777	
B	457780			PCB SW FLIP FLOP LO	U	T	MA R			33		0	175300	457782	
B	457781			PCB SW FLIP FLOP UP	U	T	MA R			33		0	175400	457782	
C	457782			SWITCH FLIP FLOP	U	T	MA R			33		0	174900	457763	
C	457782			SWITCH FLIP FLOP	U	T	MA R			33		0	176000	457769	
C	457782			SWITCH FLIP FLOP	U	T	MA R			33		0	179000	460899	
C	457783			SCHEM SW FLIP FLOP	U	T	MA R			33		0	175500	457782	
F	457788			PCB DECKS E6F	U	T	MA R			33		0	172700	457789	
D	457789			LO LEVEL SWS DKS E6F	U	T	MA R			33		0	171900	460806	
R	457790			SCHEM LO SPEED CTR	U	T	MA R			33		0	172800	457789	
R	457790			SCHEM LO SPEED CTR	U	T	MA R			33		0	173100	460037	
F	457795			PCB AMPL LOW BAND	U	T	MA R			33		0	171000	457796	
D	457796			AMPLIFIERS LOW LEVEL	U	T	MA R			33		0	170900	460807	
R	457797			SCHEM AMPLS&SIG COND	U	T	MA R			33		0	171100	457796	
R	457797			SCHEM AMPLS&SIG COND	U	T	MA R			33		0	171300	460083	
B	460005			PCB MATRIX PN GEN LO	U	T	MA R			33		0	180100	460007	
B	460006			PCB MATRIX PN GEN UP	U	T	MA R			33		0	180200	460007	
C	460007			MATRIX PN GENERATOR	U	T	MA R			33		0	180000	460073	
C	460008			SCHEM MATRIX PN GEN	U	T	MA R			33		0	180300	460007	
B	460009			PCB LO SPEED CTR LOW	U	T	MA R			33		0	173300	460011	
B	460010			PCB LO SPEED CTR UP	U	T	MA R			33		0	173400	460011	
C	460011			MATRIX LO SPEED CTR	U	T	MA R			33		0	173200	460037	
C	460012			SCHEM LO SPEED CTR	U	T	MA R			33		0	173500	460011	
F	460022			PCB BLIP REGISTER #1	U	T	MA R			33		0	176800	460023	
D	460023			BLIP REGISTER #1	U	T	MA R			33		0	176600	460603	
F	460024			PCB BLIP REGISTER #2	U	T	MA R			33		0	177200	460025	
D	460025			BLIP REGISTER #2	U	T	MA R			33		0	177000	460803	
R	460026			SCHEM BLIP REGISTER	U	T	MA R			33		0	176900	460023	
R	460026			SCHEM BLIP REGISTER	U	T	MA R			33		0	177300	460025	
F	460027			PCB BUCKING PWR SUP	U	T	MA R			33		0	181300	460023	
D	460028			BUCKING POWER SUPPLY	U	T	MA R			33		0	181200	460804	
R	460029			SCHEM POWER SUPPLY	U	T	MA R			33		0	181400	460026	
F	460036			PCB LO SPEED COUNTER	U	T	MA R			33		0	173600	460037	
D	460037			LOW SPEED COUNTER	U	T	MA R			33		0	172900	460806	
C	460046			MONOSTABLE FLIP FLOP	U	T	MA R			33		0	178500	460049	
F	460048			PCB MASTER COUNTER	U	T	MA R			33		0	178600	460049	

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**DRAWING LIST**

REV	DRAWING NO.	BASE NO.	REV	TITLE	U	C	VENDOR CODE	RELEASE FOR MAJOR ITEM		REV. DIR.	RELEASE DATE	DRAWING CONTROL STATUS	PART NO.	NEXT ASSEMBLY	REV
								SERIAL	THRU SER.						
D	460049			COUNTER MASTER	U	T	MA R			33		0	178300	460802	
R	460061			SCHEM MA CTR&XFR REG	U	T	MA R			33		0	178700	460049	
R	460061			SCHEM MA CTR&XFR REG	U	T	MA R			33		0	179100	460899	
R	460062			SCHEM DECKS A&B C&D	U	T	MA R			33		0	175600	457763	
R	460062			SCHEM DECKS A&B C&D	U	T	MA R			33		0	176100	457769	
B	460069			HEAT SINK PWR SUPPLY	U	T	MA R			33		0	181500	460804	
F	460072			PCB PN GENERATOR	U	T	MA R			33		0	180400	460073	
D	460073			PN GEN/FREQ&MOD CKTY	U	T	MA R			33		0	179700	460801	
R	460074			SCHEM PN GENERATOR	U	T	MA R			33		0	180500	460073	
F	460075			PCB POWER SUPPLY	U	T	MA R			33		0	181700	460076	
D	460076			POWER SUPPLY	U	T	MA R			33		0	181600	460804	
F	460082			PCB COMP ISOL AMPL	U	T	MA R			33		0	171400	460083	
D	460083			COMPARATOR ISOL AMPL	U	T	MA R			33		0	171200	460807	
D	460084			SUBCHAS SINGLE CONN	U	T	MA R			33		0	169400	460800	
D	460084			SUBCHAS SINGLE CONN	U	T	MA R			33		0	180600	460801	
D	460084			SUBCHAS SINGLE CONN	U	T	MA R			33		0	178800	460802	
D	460085			SUBCHAS DOUBLE CONN	U	T	MA R			33		0	177400	460803	
D	460085			SUBCHAS DOUBLE CONN	U	T	MA R			33		0	176200	460805	
D	460085			SUBCHAS DOUBLE CONN	U	T	MA R			33		0	173700	460806	
D	460085			SUBCHAS DOUBLE CONN	U	T	MA R			33		0	171500	460807	
D	460086			SUBCHAS POWER SUPPLY	U	T	MA R			33		0	181800	460804	
A	460800			ANALOG-TO-DIGIT CONV	U	T	MA R			33		0	169300	460022	
A	460801			PN GEN FREQ&MOD CKTY	U	T	MA R			33		0	179600	4600328	
A	460802			TRANSFER REGISTER	U	T	MA R			33		0	178200	4600327	
A	460803			BLIP REGISTERS	U	T	MA R			33		0	176500	4600326	
A	460804			POWER SUPPLY	U	T	MA R			33		0	181100	4600329	
A	460805			SOLID STATE DKS ABCD	U	T	MA R			33		0	174000	4600325	
A	460806			SOLID STATE DKS E&F	U	T	MA R			33		0	171800	4600324	
A	460807			AMPLIFIERS	U	T	MA R			33		0	170800	4600323	
C	460817			MARKING POWER SUPPLY	U	T	MA R			33		0	181900	460086	
C	460818			MARKING PN GENERATOR	U	T	MA R			33		0	169500	460084	
C	460819			MARKING BLIP REGS	U	T	MA R			33		0	177500	460085	
C	460820			MARKING TRANSFER REG	U	T	MA R			33		0	169600	460034	
C	460821			MARKING DECKS ABCD	U	T	MA R			33		0	177600	460086	
C	460822			MARKING DECKS E&F	U	T	MA R			33		0	177700	460086	
C	460823			MARKING AMPLIFIERS	U	T	MA R			33		0	177800	460085	
C	460824			MARKING CONVERTERS	U	T	MA R			33		0	169700	460084	
F	460891			PCB COMPARATOR	U	T	MA R			33		0	170000	460892	
D	460892			COMPARATOR & INTEGRA	U	T	MA R			33		0	169800	460800	
F	460893			PCB DECODER	U	T	MA R			33		0	170400	460894	

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## DRAWING LIST

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B. *Mariner R* 1962 Drawing List:  
Flight Numerical by Division



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DRAWING LIST												DATE LISTED	
												4-12-63	
NO.	DRAWING NO.	REV.	DATE	TITLE	CLAS.	CLAS.	VENOR CODE	RELEASE FOR MAJOR ITEM	RELEAS DATE	RELEAS NO.	RELEAS YR.	DRAWING CONTROL STATUS	NEXT ASSEMBLY
								SERIAL	THIRD SEC.				
B	123706			POWER WIR 4-9-1	U	JPL	MA R	31				O	
B	123707			COMM ENCODR	U	JPL	MA R	31				O	
B	123708			SCIENCE RADIOMETER	U	JPL	MA R	31				O	
B	123709			L-BAND L-BAND	U	JPL	MA R	31				O	
B	123710			L-BAND COMMAND	U	JPL	MA R	31				O	
B	123711			L-BAND ENCODER	U	JPL	MA R	31				O	
B	123712			L-BAND ATT CONT	U	JPL	MA R	31				O	
B	123713			L-BAND WIRING	U	JPL	MA R	31				O	
B	123714			COMMAND POWER	U	JPL	MA R	31				O	
B	123715			COMMAND CC&S	U	JPL	MA R	31				O	
B	123716			COMMAND ENCODER	U	JPL	MA R	31				O	
B	123717			COMMAND ENCODER	U	JPL	MA R	31				O	
B	123718			COMMAND ATT CONTROL	U	JPL	MA R	31				O	
B	123719			COMMAND SCIENCE	U	JPL	MA R	31				O	
B	123720			POWER POWER	U	JPL	MA R	31				O	
B	123721			POWER POWER	U	JPL	MA R	31				O	
B	123722			POWER CC&S	U	JPL	MA R	31				O	
B	123723			POWER ENCODER	U	JPL	MA R	31				O	
B	123724			POWER ENCODER	U	JPL	MA R	31				O	
B	123725			POWER ATT CONTROL	U	JPL	MA R	31				O	
B	123726			POWER PYRO	U	JPL	MA R	31				O	
B	123727			POWER SCIENCE	U	JPL	MA R	31				O	
B	123728			CC&S ENCODER	U	JPL	MA R	31				O	
B	123729			CC&S ATT CONTROL	U	JPL	MA R	31				O	
B	123730			CC&S ATT CONTROL	U	JPL	MA R	31				O	
B	123731			CC&S PYROTECHNICS	U	JPL	MA R	31				O	
B	123732			CC&S WIRING	U	JPL	MA R	31				O	
B	123733			CC&S SCIENCE	U	JPL	MA R	31				O	
B	123734			ENCODER ATT CONTROL	U	JPL	MA R	31				O	
B	123735			ENCODER ATT CONT	U	JPL	MA R	31				O	
B	123736			ENCODER PYRO	U	JPL	MA R	31				O	
B	123737			ENCODER WIRING	U	JPL	MA R	31				O	
B	123738			ENCODER WIRING	U	JPL	MA R	31				O	
B	123739			ENCODER PROPULSION	U	JPL	MA R	31				O	
B	123740			ENCODER THERMAL	U	JPL	MA R	31				O	
B	123741			ENCODER THERMAL	U	JPL	MA R	31				O	
B	123742			ENCODER RADIOMETER	U	JPL	MA R	31				O	
B	123743			ATT CONT ATT CONT	U	JPL	MA R	31				O	
B	123744			ENCODER SCIENCE	U	JPL	MA R	31				O	
B	123745			ENCODER PLASMA	U	JPL	MA R	31				O	

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NO.	DRAWING NO.	REV.	DATE	TITLE	CLAS.	CLAS.	VENOR CODE	RELEASE FOR MAJOR ITEM	RELEAS DATE	RELEAS NO.	RELEAS YR.	DRAWING CONTROL STATUS	NEXT ASSEMBLY
								SERIAL	THIRD SEC.				
B	123746			ENCODER PARTICLE FLX	U	JPL	MA R	31				O	
B	123747			ATT CONT ATT CONT	U	JPL	MA R	31				O	
B	123748			ATT CONT ATT CONT	U	JPL	MA R	31				O	
B	123749			ATT CONT WIRING	U	JPL	MA R	31				O	
B	123750			ATT CONT SCIENCE	U	JPL	MA R	31				O	
B	123751			PYRO PYRO	U	JPL	MA R	31				O	
B	123752			PYRO PYRO	U	JPL	MA R	31				O	
B	123753			PYRO PYRO	U	JPL	MA R	31				O	
B	123754			PYRO WIRING	U	JPL	MA R	31				O	
B	123755			SCIENCE SCIENCE	U	JPL	MA R	31				O	
B	123756			SCIENCE SCIENCE	U	JPL	MA R	31				O	
B	123757			SCIENCE RADIOMETER	U	JPL	MA R	31				O	
B	123758			SCIENCE MAGNETOMETER	U	JPL	MA R	31				O	
B	123759			SCIENCE MAGNETOMETER	U	JPL	MA R	31				O	
B	123760			SCIENCE PLASMA	U	JPL	MA R	31				O	
B	123761			SCIENCE COSMIC DUST	U	JPL	MA R	31				O	
B	123762			SCIENCE PARTICLE FLX	U	JPL	MA R	31				O	
B	123763			SCIENCE RADIOMETER	U	JPL	MA R	31				O	
B	123764			RADIOMETER RADIOMETER	U	JPL	MA R	31				O	
B	123765			MAGNETOMETER MAGNETR	U	JPL	MA R	31				O	
B	123766			MAGNETOMETER MAGNETR	U	JPL	MA R	31				O	
B	123767			PARTICLE FLUX ION	U	JPL	MA R	31				O	
B	123768			PARTICLE FLUX ION	U	JPL	MA R	31				O	
J	4100311	A		RING MOUNTING	*	JPL	MA R	31	01	63	J	018900	4800257
D	4100317	A		TUBE SUPERSTRUCTURE	*	JPL	MA R	31	01	63	J	015900	4100340
D	4100317	A		TUBE SUPERSTRUCTURE	*	JPL	MA R	31	01	63	J	016300	4100350
D	4100317	A		TUBE SUPERSTRUCTURE	*	JPL	MA R	31	01	63	J	017100	4100360
J	4100340	A		TRUSS SECTION 3 ASSY	*	JPL	MA R	31	01	63	J	015800	4100304
C	4100341	B		FITTING TRUSS SECT 3	*	JPL	MA R	31	01	63	J	016000	4100340
D	4100342	A		FITTING TRUSS SEC 3	*	JPL	MA R	31	01	63	J	016100	4100340
J	4100351	A		FITTING TRUSS SEC 1	*	JPL	MA R	31	01	63	J	016400	4100350
D	4100352	A		FITTING TRUSS SEC 1	*	JPL	MA R	31	01	63	J	016500	4100350
D	4100353	A		FITTING TRUSS SEC 1	*	JPL	MA R	31	01	63	J	016600	4100350
C	4100354	A		BRKT INFRA RED RADIM	*	JPL	MA R	31	01	63	J	016700	4100350
C	4100355	A		GUSSET TRUSS SEC 1	*	JPL	MA R	31	01	63	J	016800	4100350
D	4100358	A		FITTING TRUSS SEC 2	*	JPL	MA R	31	01	63	J	017200	4100360
D	4100359	A		FITTING TRUSS LOWER	*	JPL	MA R	31	01	63	J	017300	4100360
J	4100360	A		TRUSS SECTION 2 ASSY	*	JPL	MA R	31	01	63	J	017000	4100304
J	4100370	B		PLATE ASSY SUPERSTRU	*	JPL	MA R	31	01	63	J	018300	4100304
D	4100371	A		JOINT PLATE SUPERSTR	*	JPL	MA R	31	01	63	J	018400	4100370

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## DRAWING LIST

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REV	DRAWING NO.	BATH NO.	REV	TITLE	CIR	CLASS	VENDOR CODE	RELEASE FOR MAJOR ITEM		RECEIPT NO.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								REV	NO.		TH				
F	600-66		7	DATA CONDIT LOGIC	*	U	CCC	MA	R	32			O		
A	MR0001			SPACE PROBE DWG LIST	*	U	CCC	MA	R	32			O		
A	MR0002		5	FLIP FLOP SCHEM BD#1	*	U	CCC	MA	R	32			O		
A	MR0002		4	FLIP FLOP FF #1	*	U	CCC	MA	R	32			O		
B	MR0005		3	D-A STEP STAIR SCHEM	*	U	CCC	MA	R	32			O		
B	MR0005		3	D-A STEP STAIR DA#9	*	U	CCC	MA	R	32			O		
A	MR0007		1	POWER SUPPLY SPEC	*	U	CCC	MA	R	32			O		
A	MR0010		3	CRD GATE SCHEM	*	U	CCC	MA	R	32			O		
A	MR0010		3	CRD-GATE CG#2	*	U	CCC	MA	R	32			O		
A	MR0011		1	AND GATE SCHEM	*	U	CCC	MA	R	32			O		
A	MR0011		1	AND GATE AG4 #4	*	U	CCC	MA	R	32			O		
A	MR0012		1	EMITTER FOLLOW	*	U	CCC	MA	R	32			O		
A	MR0012		1	EMITTER FOLLOWER EF3	*	U	CCC	MA	R	32			O		
A	MR0013		2	F INVERT SCHEMATIC	*	U	CCC	MA	R	32			O		
A	MR0013		2	OR INVERT SCHEM	*	U	CCC	MA	R	32			O		
A	MR0013		2	OR INVERTER	*	U	CCC	MA	R	32			O		
A	MR0018		1	GATE SCHEM	*	U	CCC	MA	R	32			O		
A	MR0018		1	AND GATE AG5 #5	*	U	CCC	MA	R	32			O		
A	MR0025		1	CONVERT COMPAR SCHEM	*	U	CCC	MA	R	32			O		
A	MR0025		1	COMPARATOR	*	U	CCC	MA	R	32			O		
A	MR0026		2	CONVERT INPUT SCHEM	*	U	CCC	MA	R	32			O		
A	MR0026		2	A/D CONVERT INPUT	*	U	CCC	MA	R	32			O		
A	MR0027		1	CONVTR COMP AMP SCHM	*	U	CCC	MA	R	32			O		
A	MR0027		1	CONVERT COMP AMPL 11	*	U	CCC	MA	R	32			O		
A	MR0028		2	CONVERT COMPAR SCHEM	*	U	CCC	MA	R	32			O		
A	MR0028		2	CONVERT COMP INHIBIT	*	U	CCC	MA	R	32			O		
A	MR0029		1	CONVERT COMP OUTPUT	*	U	CCC	MA	R	32			O		
A	MR0029		1	CONVERT COMP SCHEM	*	U	CCC	MA	R	32			O		
A	MR0040		2	PLUS 6V REF SCHEM	*	U	CCC	MA	R	32			O		
A	MR0040		2	66V REF SUPPLY RS	*	U	CCC	MA	R	32			O		
B	MR0043		1	INTERFACE CIRC SCHEM	*	U	CCC	MA	R	32			O		
B	MR0043		1	DCS INTERFACE CIRCS	*	U	CCC	MA	R	32			O		
A	MR0044			RESET AMPL SCHEM	*	U	CCC	MA	R	32			O		
A	MR0044			RESET AMPLIFIER	*	U	CCC	MA	R	32			O		
A	MR0046			PIN # 6 COLOR CODE	*	U	CCC	MA	R	32			O		
A	MR0048		1	PWR ON RESET PR#15	*	U	CCC	MA	R	32			O		
A	MR0048			POWER ON RESET	*	U	CCC	MA	R	32			O		
A	MR0054		5	HI-SPEED SCHEM FFC	*	U	CCC	MA	R	32			O		
A	MR0054		4	HIGH SPEED FLIP FLOP	*	U	CCC	MA	R	32			O		
C	MR0061		1	LOGIC SUBCHAS 20A21	*	U	CCC	MA	R	32			O		

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REV	DRAWING NO.	REV NO.	REV	TITLE	CHK	CLAS	VENOR CODE	RELEASE FOR MAJOR ITEM	REEL	DATE	NO.	TR	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
C	MR0062	8		LOGIC SUBCHAS 20A22	*	U	CCC	MA R	32				0		
D	MR0063	5		BLOCK SUBCHAS 20A23	*	U	CCC	MA R	32				0		
C	MR0064	8		LOGIC SUBCHAS 20A24	*	U	CCC	MA R	32				0		
A	MR0065	3		CONVTR/INPUT SCHEM	*	U	CCC	MA R	32				0		
A	MR0065	3		A/D CONVERT/INPUT	*	U	CCC	MA R	32				0		
A	MR0066	2		37 PIN CON WIR 20A21	*	U	CCC	MA R	32				0		
A	MR0067	2		37 PIN CON WIR 20A22	*	U	CCC	MA R	32				0		
A	MR0068	2		37 PIN CON WIR 20A23	*	U	CCC	MA R	32				0		
A	MR0069	2		37 PIN CON WIR 20A24	*	U	CCC	MA R	32				0		
A	MR0070	2		37 PIN CON WIR 20A21	*	U	CCC	MA R	32				0		
A	MR0071	2		50 PIN CON WIR 20A22	*	U	CCC	MA R	32				0		
A	MR0072	2		50 PIN CON WIR 20A23	*	U	CCC	MA R	32				0		
A	MR0073	2		50 PIN CON WIR 20A24	*	U	CCC	MA R	32				0		
D	MR0074	2		PC BD ASSY 20A21	*	U	CCC	MA R	32				0		
D	MR0075	2		PC BD ASSY 20A22	*	U	CCC	MA R	32				0		
D	MR0076	2		PC BD ASSY 20A23	*	U	CCC	MA R	32				0		
D	MR0077	2		PC BD ASSY 20A24	*	U	CCC	MA R	32				0		
A	MR0079			FLIP FLOP SCHEM BD#1	*	U	CCC	MA R	32				0		
	TBD0021			BOARD TERMINAL	*	U	GLN	MA R	32				0		
	TBD0022			BOARD TERMINAL	*	U	GLN	MA R	32				0		
C	20869	PL	B	RADIOMETER SCHEMATIC		U	GLN	MA R	32				0	066400	4800339
A	20869			POWER SUP. RADIOMETER		U	GLN	MA R	32				0	066500	4800239
	20871			POWER SUPPLY	*	U	GLN	MA R	32				0		
J	118489		J	SPACE SCI WIRING DGM	*	U	JPL	MA R	32	11	62	J			
C	3155003		C	SHELL HALF UPPER		U	JPL	MA R	32	09	61	J	033900	4800063	
C	3155004		D	SHELL HALF LOWER		U	JPL	MA R	32	09	61	J	034000	4800063	
B	3155005			TUBING		U	JPL	MA R	32	08	59	J	034100	4800063	
B	3155009		B	DOUBLER TUBING		U	JPL	MA R	32	05	60	J	034200	4800063	
B	3155010		B	DOUBLER		U	JPL	MA R	32	05	60	J	034300	4800063	
B	3155011		B	DOUBLER NECK		U	JPL	MA R	32	05	60	J	034400	4800063	
B	3155540			CUP MOUNTING		U	JPL	MA R	32	03	61	J	035100	4800083	
B	3155541			SPIDER		U	JPL	MA R	32	03	61	J	035200	4800083	

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B	3155543			GASKET SEAL		U	JPL	MA R	32	03	61	J	033300	4800065	
B	3155544			CAN SHIELDING		U	JPL	MA R	32	03	61	J	033300	4800083	
B	3155545			QUARTZ		U	JPL	MA R	32	03	61	J	035400	4800083	
B	3155546			PIN CONTACT		U	JPL	MA R	32	03	61	J	035500	4800083	
B	3155547			PIN OFFSET CONTACT		U	JPL	MA R	32	03	61	J	035600	4800083	
D	4400063		B	CB5 POWER SWITCHING		U	JPL	MA R	32	01	62	J	188400	4400046	
C	4500155			TEMP REFERENCE ASSY		U	JPL	MA R	32	07	62	J	055000	4100310	
D	4500156			SUPPORT INFRARED		U	JPL	MA R	32	07	62	J	055100	4500155	
C	4500157			SHIELD INFRARED RADM		U	JPL	MA R	32	07	62	J	055200	4500155	
B	4500158			MTG BLOCK TEMPERATUR		U	JPL	MA R	32	07	62	J	055300	4500155	
B	4500159			SPACER TEMP SENSI		U	JPL	MA R	32	07	62	J	055400	4500155	
B	4500160			TEMP SENSISTOR SCHEM		U	JPL	MA R	32	07	62	J	055500	4500155	
B	4500160			TEMP SENSISTOR SCHEM		U	JPL	MA R	32	07	62	J	055900	4500161	
C	4500161			CB ASSY		U	JPL	MA R	32	07	62	J	055700	4500162	
C	4500162			CONNECTOR ASSEMBLY		U	JPL	MA R	32	07	62	J	055600	4500155	
B	4800061			SUPPORT RING PRE-AMP		U	JPL	MA R	32	09	61	J	033400	4800065	
B	4800062			COVER PRE-AMPL		U	JPL	MA R	32	09	61	J	033600	4800065	
C	4800063			ION CHAMB STRUCT ASY		U	JPL	MA R	32	09	61	J	033800	4800065	
B	4800064			NECK CHAMBER		U	JPL	MA R	32	09	61	J	034500	4800063	
D	4800065		A	IONIZATION CHAMBER	*	U	JPL	MA R	32	09	62	J	033100	4100445	
C	4800068		A	PC PRE-AMPLIFIER		U	JPL	MA R	32	07	61	J	034900	4800069	
J	4800069			CB1 PRE-AMPLIFIER		U	JPL	MA R	32	07	61	J	034600	4800065	
C	4800083			QUARTZ INTEGRAT ASSY		U	JPL	MA R	32	09	61	J	035000	4800065	
B	4800084			HEADER BASE		U	JPL	MA R	32	09	61	J	035700	4800083	
B	4800085			RING CLAMPING SEAL		U	JPL	MA R	32	09	61	J	035800	4800065	
J	4800250		B	SWEEP AMP SCHEMATIC		U	JPL	MA R	32	05	62	J	196700	4800268	
J	4800257		A	MAGNETMETER SUPP ASY		U	JPL	MA R	32	04	62	J	018800	4100304	
J	4800260			SUBCHASS. ASSY		U	JPL	MA R	32	04	62	J	189200	4800261	
A	4800263	PL	A	PROGRAMMER SOL PLAS		U	JPL	MA R	32	05	62	J	196000	4800263	
D	4800264		B	PROGRAMMER SUBCHASS		U	JPL	MA R	32	04	62	J	196100	4800263	
J	4800265		B	CB1 PC PROGRAMMER		U	JPL	MA R	32	05	62	J	196400	4800263	
J	4800266		A	CB2 PC PROGRAMMER		U	JPL	MA R	32	05	62	J	196500	4800263	
D	4800268		A	23A3 SWEEP AMPL		U	JPL	MA R	32	04	62	J	196600	4800296	
D	4800269		A	SUBCHAS SWEEP AMP		U	JPL	MA R	32	04	62	J	196800	4800268	
J	4800270			CB1 PC SWEEP AMPLIF		U	JPL	MA R	32	12	61	J	197400	4800365	
J	4800271			CB2 PC SWEEP AMPLIF		U	JPL	MA R	32	12	61	J	197800	4800366	
B	4800273		A	SPACER SOLAR CORPUS		U	JPL	MA R	32	12	61	J	190800	4800290	
B	4800274			STUD. SOLAR CORPUSCUL		U	JPL	MA R	32	11	61	J	190900	4800290	
C	4800275			GROUND PLANE SCRE		U	JPL	MA R	32				0	191000	4800290
C	4800276		B	GROUND PLANE ENTRAN		U	JPL	MA R	32	12	61	J	191100	4800290	

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REV	DRAWING NO.	REV NO.	REV	TITLE	REV	REV	REV	REV	REV	REV	REV
C	4800277	A	COLLECTOR SOLAR CORP	U	JPL	MA	R	32	12	61	191200
C	4800278	A	SUPPRESSOR SOLAR COR	U	JPL	MA	R	32	12	61	191300
C	4800279	A	INSULATOR DEFLECTION	U	JPL	MA	R	32	11	61	191400
C	4800280	A	GROUND PLANE EXIT	U	JPL	MA	R	32	12	61	191500
C	4800281	A	INSULATOR SUPPRESSOR	U	JPL	MA	R	32	12	61	191600
C	4800282	A	INSULATOR CHANNEL	U	JPL	MA	R	32	11	61	191700
C	4800283	A	INSULATOR CHANNEL	U	JPL	MA	R	32	11	61	191800
C	4800284	A	INSULATOR SUPPRESSOR	U	JPL	MA	R	32	11	61	191900
D	4800285	A	SHIELD COLLECTOR	U	JPL	MA	R	32	12	61	192000
D	4800286	A	PLATE GROUND PLANE	U	JPL	MA	R	32	11	61	192100
D	4800287	A	PLATE GROUND PLANE	U	JPL	MA	R	32	11	61	192200
D	4800288	A	DEFLECTOR PLATE ASSY	U	JPL	MA	R	32	11	61	192300
D	4800289	A	DEFLECTOR PLATE ASSY	U	JPL	MA	R	32	11	61	192400
D	4800290	A	DEFLECTION PLATE ASSY	U	JPL	MA	R	32	12	61	192500
J	4800296	C	SCIENTIFIC ELEC ASSY	U	JPL	MA	R	32	04	62	183300
J	4800297	B	CHASSIS ASSY	U	JPL	MA	R	32	01	62	198700
J	4800300	A	RADIOMETER ASSEMBLY	U	JPL	MA	R	32	05	62	062600
C	4800304	A	WAVEGUIDE SUBASSY	U	JPL	MA	R	32	01	62	063200
C	4800305	A	WAVEGUIDE SUBASSY 22	U	JPL	MA	R	32	01	62	063300
C	4800306	A	WAVEGUIDE SUBASSY 15	U	JPL	MA	R	32	01	62	063400
C	4800307	A	WAVEGUIDE SUBASSY 15	U	JPL	MA	R	32	01	62	063500
C	4800308	A	WAVEGUIDE SUBASSY 22	U	JPL	MA	R	32	01	62	063600
C	4800311	A	BRACKET ASSY DETECT	U	JPL	MA	R	32	12	61	063700
C	4800312	A	BRACKET DETECTOR	U	JPL	MA	R	32	12	61	063800
C	4800313	A	V-BLOCK ASSY RADIOM	U	JPL	MA	R	32	11	61	063900
C	4800314	A	ANGLE CONN MOUNTING	U	JPL	MA	R	32	11	61	144700
C	4800314	A	ANGLE CONN MOUNTING	U	JPL	MA	R	32	11	61	199300
J	4800334	A	REFERENCE HORN	U	JPL	MA	R	32	09	62	064000
J	4800335	A	SUPPORT RADIOMETER	U	JPL	MA	R	32	12	61	064100
D	4800338	A	SUBCHASS PWR SUPPLY	U	JPL	MA	R	32	07	62	064400
D	4800339	A	PWR SUPP SUBAY ENV	U	JPL	MA	R	32	07	62	064200
J	4800341	C	ELECTROMETER SCHEM	U	JPL	MA	R	32	04	62	192600
J	4800342	B	CHAS PARTCL FLUX DET	U	JPL	MA	R	32	02	62	036000
J	4800343	A	COVER THERMAL PARTCL	U	JPL	MA	R	32	07	62	036100
A	4800344	PL	CB1 PART FLUX DETECT	U	JPL	MA	R	32	04	62	036500
J	4800344	A	CB1 PART FLUX DETECT	U	JPL	MA	R	32	04	62	036300
J	4800345	B	PART FLUX DET SCHEM	U	JPL	MA	R	32	04	62	036600
D	4800346	A	MULTI-OUTPUT TUBE	U	JPL	MA	R	32	01	62	036900
C	4800347	A	SHIELD STAINLESS	U	JPL	MA	R	32	04	62	037000
C	4800349	A	SHIELD BERYLLIUM	U	JPL	MA	R	32	04	62	037200

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REV	DRAWING NO.	REV NO.	TITLE	REV	REV	REV	REV	REV	REV	REV	REV	REV	REV
C	4800350		GUARD DETECTOR TUBE	U	JPL	MA	R	32	01	62	J	037400	4800352
J	4800351	A	PC1 PARTICLE FLUX	U	JPL	MA	R	32	02	62	J	036700	4800344
J	4800352	A	PARTICLE FLUX DETECT	U	JPL	MA	R	32	04	62	J	035900	4100445
C	4800356		WAVEGUIDE SUBASSY	U	JPL	MA	R	32	01	62	J	056600	4800300
C	4800357		WAVEGUIDE SUBASSY	U	JPL	MA	R	32	01	62	J	066700	4800300
C	4800358	A	ANGLE CONN MOUNTING	U	JPL	MA	R	32	03	62	J	066800	4800300
C	4800359		ANGLE CONN MTG RADIO	U	JPL	MA	R	32	11	61	J	066900	4800300
B	4800360		STRAP NOISE SOURCE	U	JPL	MA	R	32	11	61	J	067000	4800300
B	4800361		ANGLE COUPLER MOUNT	U	JPL	MA	R	32	11	61	J	067100	4800300
C	4800362	A	BRACKET COUPLER MTG	U	JPL	MA	R	32	12	61	J	067200	4800300
B	4800363	A	CLIP WAVEGUIDE RADIO	U	JPL	MA	R	32	12	61	J	067300	4800300
C	4800364	A	BRACKET TAPER MOUNT	U	JPL	MA	R	32	12	61	J	067400	4800300
J	4800365		CB1 ASSY SWEEP AMPL	U	JPL	MA	R	32	12	61	J	197100	4800268
A	4800365	PL	CB1 SWEEP AMPLIFIER	U	JPL	MA	R	32	12	61	J	197500	4800365
J	4800366		CB2 ASSY SWEEP AMPL	U	JPL	MA	R	32	12	61	J	197600	4800268
A	4800366	PL	CB2 SWEEP AMPLIFIER	U	JPL	MA	R	32	05	62	J	197900	4800366
C	4800367		BRACKET TRANSFORMER	U	JPL	MA	R	32	12	61	J	198000	4800268
C	4800368	A	CLIP RF CONNECTOR	U	JPL	MA	R	32	01	62	J	067500	4800300
B	4800371		DISARMING CONN SUBAS	U	JPL	MA	R	32	12	61	J	198100	4800268
B	4800372		TRANSFORMER SWEEP AM	U	JPL	MA	R	32	12	61	J	198200	4800268
J	4800376	B	SHIELD THERMAL ASSY	U	JPL	MA	R	32	09	62	J	067600	4800300
J	4800377		15.86 22KMC CONT DWG	U	JPL	MA	R	32	09	62	J	067900	4800300
D	4800381		PRE-AMP SUBASSY ENVL	U	JPL	MA	R	32	08	62	J	068400	4800300
B	4800383		DETECTOR ASY CONT DWG	U	JPL	MA	R	32	09	62	J	068600	4800300
B	4800386		CONT DWG 15KMC FILTR	U	JPL	MA	R	32	09	62	J	068700	4800300
C	4800387		WAVEGUIDE SUBASSY 15	U	JPL	MA	R	32	01	62	J	068800	4800300
B	4800388		CONT DWG 22KMC FILTR	U	JPL	MA	R	32	09	62	J	068900	4800300
B	4800389		TERMINAL COLLECTOR	U	JPL	MA	R	32	12	61	J	192500	4800290
J	4800391		SW ASSY ELECTROMETER	U	JPL	MA	R	32	12	61	J	192700	4800261
D	4800392		SUPPORT ASSY VIB REED	U	JPL	MA	R	32	01	62	J	189600	4800256
B	4800393		BUSHING VIB REED CAP	U	JPL	MA	R	32	01	62	J	189700	4800256
D	4800394		VIB REED CAPACITOR	U	JPL	MA	R	32	01	62	J	189800	4800256
C	4800395		WAVEGUIDE ASSY 22	U	JPL	MA	R	32	01	62	J	069000	4800300
D	4800396	A	CB1 PLASMA ELECT	U	JPL	MA	R	32	04	62	J	192800	4800261
A	4800396	PL	CB1 PLASMA ELECT	U	JPL	MA	R	32	05	62	J	193200	4800396
J	4800397	A	CB1 PC PLASMA ELECT	U	JPL	MA	R	32	12	61	J	193300	4800396
D	4800398	B	CB2 PLASMA ELECT	U	JPL	MA	R	32	04	62	J	193400	4800261
A	4800398	PL	CB2 PLASMA ELECT	U	JPL	MA	R	32	05	62	J	193600	4800398
J	4800399	B	CB2 PC PLASMA ELECT	U	JPL	MA	R	32	04	62	J	193700	4800398
D	4800400	A	CB3 ASSY PLASMA ELEC	U	JPL	MA	R	32	12	61	J	192800	4800261

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REV	DRAWING NO.	REV	REV	TITLE	REV	REV	REV	REV	REV	REV	REV	REV	REV
A	4800400	PL		CB3 ASSY PLASMA ELEC	U	JPL	MA	R	32	12	61	J	193900
C	4800401			CB3 PC PLASMA ELEC	U	JPL	MA	R	32	12	61	J	194000
D	4800402	A		CB4 PLASMA ELEC	U	JPL	MA	R	32	04	62	J	194100
J	4800403	A		CB4 PC PLASMA ELEC	U	JPL	MA	R	32	04	62	J	194500
D	4800404			SUB-CHASS UPPER PLAS	U	JPL	MA	R	32	12	61	J	194600
J	4800406	A		SHIELD CHASS ASSY	U	JPL	MA	R	32	01	62	J	199500
J	4800407			TOP SHIELD SCI EQUIP	U	JPL	MA	R	32	12	61	J	200300
D	4800414			COVER WELDMENT REED	U	JPL	MA	R	32	12	61	J	194900
B	4800416			WASHER SHLD INSULATG	U	JPL	MA	R	32	01	62	J	069100
B	4800420			INSULATOR 22KMC DET	U	JPL	MA	R	32	01	62	J	069200
B	4800421			INSULATOR 15KMC DET	U	JPL	MA	R	32	01	62	J	069300
C	4800422			CB2 CB3 PARTICLE FLX	U	JPL	MA	R	32	02	62	J	037500
C	4800423			BRKT TUN FORK RADMT	U	JPL	MA	R	32	02	62	J	069400
C	4800424	B		TUNING FORK INSULAT	U	JPL	MA	R	32	09	62	J	069500
D	4800427			COVER HORN RADIOMETR	U	JPL	MA	R	32	05	62	J	067700
D	4800428			COVER PW CONN RADMT	U	JPL	MA	R	32	05	62	J	069600
D	4800429			COVER SIGNAL RADIMTR	U	JPL	MA	R	32	05	62	J	069800
B	4800432			STUD RADIOMETER	U	JPL	MA	R	32	05	62	J	070000
D	4800436	C		SCHEMATIC	U	JPL	MA	R	32	07	62	J	068310
A	4800436	PL	C	MICROWAVE RADIOMETER	U	JPL	MA	R	32	10	62	J	068310
B	4800437			INSULTR SUBCHAS SOLR	U	JPL	MA	R	32	04	62	J	190000
B	4800438			INSULATOR SUBCHASSIS	U	JPL	MA	R	32	04	62	J	190100
B	4800439			INSULATOR SUBCHASSIS	U	JPL	MA	R	32	04	62	J	190200
B	4800440			INSULATOR SUBCHASSIS	U	JPL	MA	R	32	04	62	J	196200
B	4800441			INSULATOR SUBCHASSIS	U	JPL	MA	R	32	04	62	J	196300
B	4800442			INSULATOR SUBCHASSIS	U	JPL	MA	R	32	04	62	J	196900
B	4800443			INSULTR SUBCHAS SWP	U	JPL	MA	R	32	04	62	J	197000
C	4800489			INSULAT BD SUBASSY	U	JPL	MA	R	32	07	62	J	064700
C	4800490			TB CURRENT LMT SUBAY	U	JPL	MA	R	32	07	62	J	064800
C	4800491			BD CURRENT LMT SUBAY	U	JPL	MA	R	32	07	62	J	064900
A	4800492	PL		CB CURRNT LMT SUBASY	U	JPL	MA	R	32	07	62	J	065000
C	4800492			CB CURRNT LMT SUBASY	U	JPL	MA	R	32	07	62	J	064600
C	4800493			HEAT SINK SUBASSEMBY	U	JPL	MA	R	32	07	62	J	065200
C	4800494			HEAT SINK SUBASSEMBY	U	JPL	MA	R	32	07	62	J	065300
D	4800495			SUBCHASS CURRENT LMT	U	JPL	MA	R	32	07	62	J	065400
D	4800496			CURRENT LIMIT SUBASY	U	JPL	MA	R	32	07	62	J	065500
A	4800496	PL		CURRENT LIMIT SUBASY	U	JPL	MA	R	32	07	62	J	065700
C	4800497			CURRENT LIMITR SCHEM	U	JPL	MA	R	32	07	62	J	065800
C	4800501			XFORMER SUBASSY	U	JPL	MA	R	32	07	62	J	065900
B	4800502			BUSHING SUBASSEMBLY	U	JPL	MA	R	32	07	62	J	065500

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REV	DRAWING NO.	REV	REV	TITLE	REV	REV	REV	REV	REV	REV	REV	REV	REV
B	4800503			BUSHING SUBASSEMBLY	U	JPL	MA	R	32	07	62	J	065600
B	4800504			INSUL HEAT SUBASSY	U	JPL	MA	R	32	07	62	J	066000
B	4800505			INSUL HT SINK SUBAY	U	JPL	MA	R	32	07	62	J	066100
B	4800532			INSULATION BD SUBAY	U	JPL	MA	R	32	07	62	J	066200
B	4800533			TB CURRENT LMT SUBAY	U	JPL	MA	R	32	07	62	J	066300
	4901000			SUBCHASSIS MAG EL	U	JPL	MA	R	32	11	61	J	198510
C	F100	-2		BISTABLE MULTIVIB	U	JPL	MA	R	32			O	198538
C	F100	-2		BISTABLE MULTIVIBR	U	JPL	MA	R	32			O	198578
C	F100	-2		TRIGGER MODULE	U	JPL	MA	R	32			O	198579
C	F100	-2		BISTABLE MULTIVIBR	U	JPL	MA	R	32			O	198601
C	F201	-2		MONOSTABLE MULTIVIB	U	JPL	MA	R	32			O	198561
A	F400	-2		TRIGGER MODULE	U	JPL	MA	R	32			O	198539
A	F400	-2		TRIGGER MODULE	U	JPL	MA	R	32			O	198602
A	F502	-3		DUAL DC INVERTER MOD	U	JPL	MA	R	32			O	198540
C	F502	-3		DUAL DC INVERTER MOD	U	JPL	MA	R	32			O	198580
A	F502	-3		DUAL DC INVERTER MOD	U	JPL	MA	R	32			O	198603
C	F603	-2		DUAL AC EMITTER	U	JPL	MA	R	32			O	198541
C	F603	-2		DUAL AC EMITTER	U	JPL	MA	R	32			O	198581
C	F603	-2		DUAL AC EMITTER	U	JPL	MA	R	32			O	198604
A	F803	-3		RC AMP MODULE	U	JPL	MA	R	32			O	198542
C	F803	-3		RC AMP MODULE	U	JPL	MA	R	32			O	198582
A	F803	-3		RC AMP MODULE	U	JPL	MA	R	32			O	198605
A	F804	-2		RC AMP MODULE	U	JPL	MA	R	32			O	198543
C	F804	-2		RC AMP MODULE	U	JPL	MA	R	32			O	198583
A	F804	-2		RC AMP MODULE	U	JPL	MA	R	32			O	198606
A	F900	-2		RC PARAPHASE AMP MOD	U	JPL	MA	R	32			O	198544
C	F900	-2		RC PARAPHASE AMP MOD	U	JPL	MA	R	32			O	198584
A	F900	-2		RC PARAPHASE	U	JPL	MA	R	32			O	198607
C	F1000	-2		TUNED AMP MODULE	U	JPL	MA	R	32			O	198545
C	F1000	-2		TUNED AMP MODULE	U	JPL	MA	R	32			O	198585
C	F1000	-2		TUNED AMP MODULE	U	JPL	MA	R	32			O	198608
A	F1100	-2		PUSH PULL AMP MODULE	U	JPL	MA	R	32			O	198546
C	F1100	-2		PUSH PULL AMP MODULE	U	JPL	MA	R	32			O	198586
A	F1100	-2		PUSH PULL AMP MODULE	U	JPL	MA	R	32			O	198609
A	G4000	-2		REFERENCE MODULE	U	JPL	MA	R	32			O	198562
A	F4001	-3		FLUXGATE SPECIAL MOD	U	JPL	MA	R	32			O	198547

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								MAJOR ITEM	THRU SEP.					
C	F4001	-3		FLUXGATE SPECIAL MOD	*	U	ML	MA	R	32		O	198587	50243
A	F4001	-3		FLUXGATE SPECIAL MOD	*	U	ML	MA	R	32		O	198610	50243
A	F4004	-2		DUAL RELAY DRIVER	*	U	ML	MA	R	32		O	198563	50246
A	SP30000	-1		INDUCTOR	*	U	ML	MA	P	32		O	198548	50243
A	SP30000	-1		INDUCTOR	*	U	ML	MA	R	32		O	198586	50243
A	SP30000	-1		INDUCTOR	*	U	ML	MA	R	32		O	198611	50243
A	SP30001	-1		TRANSFORMER	*	U	ML	MA	R	32		O	198549	50243
A	SP30001	-3		TRANSFORMER	*	U	ML	MA	R	32		O	198550	50243
A	SP30001	-4		TRANSFORMER	*	U	ML	MA	R	32		O	198551	50243
A	SP30001	-1		TRANSFORMER	*	U	ML	MA	R	32		O	198589	50243
A	SP30001	-3		TRANSFORMER	*	U	ML	MA	R	32		O	198590	50243
A	SP30001	-4		TRANSFORMER	*	U	ML	MA	R	32		O	198591	50243
A	SP30001	-1		TRANSFORMER	*	U	ML	MA	R	32		O	198612	50243
A	SP30001	-3		TRANSFORMER	*	U	ML	MA	R	32		O	198613	50243
A	SP30001	-4		TRANSFORMER	*	U	ML	MA	R	32		O	198614	50243
A	SP30002	-1		BAND PASS FILTER	*	U	ML	MA	R	32		O	198552	50243
C	SP30002	-2		BAND PASS FILTER	*	U	ML	MA	R	32		O	198592	50243
A	SP30002	-3		BAND PASS FILTER	*	U	ML	MA	R	32		O	198615	50243
R	SP30003	101		BLANK PANEL & CARRY	*	U	ML	MA	R	32		O	198513	T50067
R	SP30004	101		CASE ASSY PANEL MTG	*	U	ML	MA	R	32		O	198514	SP30003
R	SP30005	101		PANEL ASSY LWR BLANK	*	U	ML	MA	R	32		O	198515	SP30003
R	SP30006	101		PANEL ASSY LID BLANK	*	U	ML	MA	R	32		O	198516	SP30003
A	SP30031	-1		TRANSFORMER	*	U	ML	MA	R	32		O	198553	50243
A	SP30031	-1		TRANSFORMER	*	U	ML	MA	R	32		O	198593	50243
D	SP30031	-1		TRANSFORMER	*	U	ML	MA	R	32		O	198616	50243
A	SP30047			TRANSFORMER	*	U	ML	MA	R	32		O	198565	50246
A	SP30048			INDUCTOR	*	U	ML	MA	R	32		O	198564	50246
A	SP30052			BRACKET TERMINAL BD	*	U	ML	MA	R	32		O	198524	50143
A	SP30061			TRANSISTOR	*	U	ML	MA	R	32		O	198554	50243
A	SP30061			TRANSISTOR	*	U	ML	MA	R	32		O	198594	50243
A	SP30061			TRANSISTOR	*	U	ML	MA	R	32		O	198617	50243
B	SP30079			INSULATING SPACER	*	U	ML	MA	R	32		O	198525	50180
B	SP30080			INSULATING WASHER	*	U	ML	MA	R	32		O	198536	50180
A	S40003			TEST SPEC CHECK UNIT	*	U	ML	MA	R	32		O	198517	T50067
A	S40064			TEST SPEC CHECKOUT	*	U	ML	MA	R	32		O	198531	50180
R	T50031			SCHEM CHECKOUT CASE	*	U	ML	MA	R	32		O	198518	T50067
R	T50067	101		ML104-1 MAG TEST SET	*	U	ML	MA	R	32		O	198512	4800293
R	T50067	102		ML104-2 MAG TEST SET	*	U	ML	MA	R	32		O	198528	4800293
B	T50118			"B1" MAG TEST SET	*	U	ML	MA	R	32		O	198520	50141
B	T50119			"B2" MAG TEST SET	*	U	ML	MA	R	32		O	198522	50142

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B	T50120			TB3 MAG TEST SET	*	U	ML	MA	R	32		O	198525	50143
A	50124			TRI-AX MAG PROBE ENV	*	U	ML	MA	R	32		O	198532	50180
C	50141			TB1 MAG TEST SET	*	U	ML	MA	R	32		O	198519	T50067
C	50142			TB2 MAG TEST SET	*	U	ML	MA	R	32		O	198521	T50067
C	50143			TB3 MAG TEST SET	*	U	ML	MA	R	32		O	198523	T50067
A	50144			WIRING LIST CHECKOUT	*	U	ML	MA	R	32		O	198526	T50067
D	T50156			CABLE HARNESS	*	U	ML	MA	R	32		O	198527	T50067
D	50179			TRI-AX MAGNETMR ENV	*	U	ML	MA	R	32		O	198533	50180
J	50180			ML126-1 MAGNETOMETER	*	U	ML	MA	R	32		O	198530	4800293
J	50180	101		MAGNETOMETER ASSY	*	U	ML	MA	R	32		O	198534	50180
J	50180	102		TRIAX FLUXGATE MAG	*	U	ML	MA	R	32		O	198576	50180
H	50227			SCHEMATIC	*	U	ML	MA	R	32		O	198625	50180
J	50241			CIRCUIT MASTER	*	U	ML	MA	R	32		O	198558	50242
J	T50241			CIRCUIT MASTER	*	U	ML	MA	R	32		O	198598	50242
J	T50241			CIRCUIT MASTER	*	U	ML	MA	R	32		O	198621	50242
D	50242	101		CB TRI FLUXGATE MAG	*	U	ML	MA	R	32		O	198555	50243
D	50242	-2		BOARD ASSY	*	U	ML	MA	R	32		O	198556	50242
D	50242	-1		BOARD	*	U	ML	MA	R	32		O	198557	50242
D	50242	-3		BOARD INSULATOR	*	U	ML	MA	R	32		O	198559	50242
D	50242	101		CIRCUIT BOARD	*	U	ML	MA	R	32		O	198595	50243
D	50242	-2		BOARD ASSY	*	U	ML	MA	R	32		O	198596	50242
D	50242	-1		BOARD DETAIL	*	U	ML	MA	R	32		O	198597	50242
D	50242	-3		BOARD INSULATOR	*	U	ML	MA	R	32		O	198599	50242
D	50242	101		CIRCUIT BOARD	*	U	ML	MA	R	32		O	198618	50243
D	50242	-2		BOARD ASSY	*	U	ML	MA	R	32		O	198619	50242
D	50242	-1		BOARD DETAIL	*	U	ML	MA	R	32		O	198620	50242
D	50242	-3		BOARD INSULATOR	*	U	ML	MA	R	32		O	198622	50242
J	50243	101		CB TRIAX FLUX MAG	*	U	ML	MA	R	32		O	198537	50180
J	50243	102		CB ASSY MAGNETOMETER	*	U	ML	MA	R	32		O	198577	50180
J	50243	103		CB3 ASSY	*	U	ML	MA	R	32		O	198600	50180
J	T50244			CIRCUIT MASTER	*	U	ML	MA	R	32		O	198569	50245
D	50245	101		CB PWR SUP & IFC	*	U	ML	MA	R	32		O	198566	50246
D	50245	-2		BOARD ASSY	*	U	ML	MA	R	32		O	198567	50245
D	50245	-1		BOARD DETAIL	*	U	ML	MA	R	32		O	198568	50245
D	50245	-3		BOARD INSULATOR	*	U	ML	MA	R	32		O	198570	50245
A	50246	101		CIRCUIT BOARD ASSY	*	U	ML	MA	R	32		O	198560	50180
J	50261	101		HOUSING	*	U	ML	MA	R	32		O	198572	50180
J	50261	-1		HOUSING	*	U	ML	MA	R	32		O	198573	50261
J	50261	-3		BRACKET	*	U	ML	MA	P	32		O	198574	50261
J	50261	-4		ANGLE	*	U	ML	MA	R	32		O	198575	50261

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NO	DRAWING NO.	BATH NO.	QTY	TITLE	CNC	CLASS	VERSION CODE	REFERENCE FOR MATERIAL ITEM		RECH. DATE	RELEASE DATE		DRAWING CONTROL STATUS	NETT ASSEMBLY		S
								SERIAL	THRU SER.		NO.	TO		QTY	PRICE	
A	550717	PL		A PWR SUP MK2 L-BAND	*	U	AEI	MA	R	33			O	167200	550717	
E	550717			A PWR SUP MK2 L-BAND	*	U	AEI	MA	R	33			O	167150	4600312	
C	850738			A ARTWORK TEMPLATE	*	U	AEI	MA	R	33			O	167210	550717	
C	850741			A ARTWORK TEMPLATE	*	U	AEI	MA	R	33			O	167220	550717	
C	850749			A TRANSFORMER-PWR T401	*	U	AEI	MA	R	33			O	167300	550717	
C	850750			A SILKSCREEN	*	U	AEI	MA	R	33			O	167400	550717	
D	950716			A CHASSIS MK2 L-BAND	*	U	AEI	MA	R	33			O	167500	550717	
D	950718			A ENV MK2 L-BAND POWER	*	U	AEI	MA	R	33			O	167510	550717	
J	950721			A SCHEMATIC MK2 L-BAND	*	U	AEI	MA	R	33			O	167520	550717	
D	950739			A COMPONENT BOARD REG	*	U	AEI	MA	R	33			O	167530	550717	
D	950740			A COMPONENT BOARD REG	*	U	AEI	MA	R	33			O	167600	550717	
D	950742			A COMPONENT BD UNREG	*	U	AEI	MA	R	33			O	167620	550717	
D	950743			A COMPONENT BD UNREG	*	U	AEI	MA	R	33			O	167700	550717	
A	90127			TRANSIPAD		U	JPL	MA	R	33	10	58	J	055800	4500161	
	BH91021	-10		CASE 2 PAN HAR SCHEM	*	U	JPL	MA	R	33			O			
4	101660		B	LAYOUT DRAWING	*	U	JPL	MA	R	33	01	61	J			
4	106421		A	L-BAND RF BLOCK DGM	*	U	JPL	MA	R	33	12	62	J	182410	4600333	
5	106499		A	BLK DGM PAN COAX CBL	*	U	JPL	MA	R	33	02	62	J	182420	4600332	
B	119102		A	INTERCONNECT L-BAND	*	U	JPL	MA	R	33			O	182430	4600333	
B	3155033		A	PAD		U	JPL	MA	R	33	06	60	J	036100	4600183	
B	3155035		A	OUTER CHOKE SPACER		U	JPL	MA	R	33	04	60	J	056200	4600183	
B	3155036		C	BEARING SLEEVE		U	JPL	MA	R	33	04	60	J	056300	4600183	
B	3155037		B	RETAINER RING		U	JPL	MA	R	33	04	60	J	056400	4600183	
C	3155066		A	OUTER CHOKE CYLINDER		U	JPL	MA	R	33	06	60	J	056500	4600183	
C	3155067		B	COAXIAL LINE CYLINDER		U	JPL	MA	R	33	06	60	J	056600	4600183	
B	3155068		A	COAX LINE CNTR COND		U	JPL	MA	R	33	06	60	J	056700	4600183	
B	3155070		A	COAX LINE SPACER		U	JPL	MA	R	33	06	60	J	056800	4600183	
B	3155072		A	INNER CHOKE CNTR CON		U	JPL	MA	R	33	06	60	J	056900	4600183	
J	3155134		A	CYLINDER SUPPORT		U	JPL	MA	R	33	06	60	J	057500	4600340	
B	3155136		A	ADAPTER CONNECTOR		U	JPL	MA	R	33	06	60	J	057000	4600183	
B	3155137			SHIM		U	JPL	MA	R	33	06	60	J	057100	4600183	
J	3155147			GROUND PLANE LOWER		U	JPL	MA	R	33	10	60	J	058000	4600340	
C	3155272		A	CONDUCTOR CENTER		U	JPL	MA	R	33	10	60	J	058200	4600340	
B	3155273			PLUG INNER TUBE		U	JPL	MA	R	33	10	60	J	058400	4600340	
B	3155274			NUT RETAINING		U	JPL	MA	R	33	10	60	J	058500	4600340	
B	3155275			WASHER SUPPORT LOWER		U	JPL	MA	R	33	10	60	J	058600	4600340	

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REV	DRAWING NO.	REV NO.	REV	TITLE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
B	3155276			WASHER SUPPORT UPPER	U	JPL	MA	R	33	10	60	J	058700	4600340	
B	3155277			SPACER	U	JPL	MA	R	33	10	60	J	058800	4600340	
B	3155278			CRANK JOINT ROTARY	U	JPL	MA	R	33	07	60	J	057200	4600183	
D	3155281			CONNECTOR RIGHT ANGL	U	JPL	MA	R	33	09	60	J	058900	4600340	
C	3155450			BRACKET CENTER	U	JPL	MA	R	33	10	60	J	058100	3155147	
C	3155451			DOUBLER	U	JPL	MA	R	33	10	61	J	059000	4600340	
A	3155525	A		CONDUCTOR CENTER	U	JPL	MA	R	33	10	60	J	058300	3155272	
B	3155601			MODIFICATION ANTENNA	U	JPL	MA	R	33	01	61	J	059100	4600340	
J	4400201	C		CHASSIS BATTERY	* U	JPL	MA	R	33	09	62	J	142900	2011000	
J	4400202			COVER BATTERY	* U	JPL	MA	R	33	10	61	J	143000	2011000	
D	4600002			HOUSING CATHODE SECT	* U	JPL	MA	R	33	03	61	J	143430	4400003	
D	4600003			HOUSING PLATE SECT	* U	JPL	MA	R	33	03	61	J	143420	4400204	
D	4600016	A		HOUSING INSULATOR	* U	JPL	MA	R	33	07	61	J	142710	4400042	
C	4600052			WASHER REINFORCEMENT	U	JPL	MA	R	33	06	61	J	003400	4600076	
C	4600052			WASHER REINFORCEMENT	U	JPL	MA	R	33	06	61	J	003900	4600097	
B	4600053			PLATE REINFORCEMENT	U	JPL	MA	R	33	06	61	J	004000	4600097	
B	4600056	A		COLUMN TURNSTILE ANT	U	JPL	MA	R	33	08	61	J	004300	4600098	
B	4600057			RIB LONG ELEMENT	U	JPL	MA	R	33	06	61	J	004400	4600098	
B	4600058			RIB SHORT ELEMENT	U	JPL	MA	R	33	06	61	J	004500	4600098	
B	4600059			RING SUPPORT	U	JPL	MA	R	33	06	61	J	004600	4600098	
J	4600060	A		PC TURNSTILE ANT	U	JPL	MA	R	33	08	61	J	005500	4600099	
C	4600076	B		ANTENNA DIPOLE	U	JPL	MA	R	33	01	62	J	003300	4100306	
C	4600077	A		BODY ASSEMBLY	U	JPL	MA	R	33	08	61	J	003500	4600076	
C	4600078	A		BOARD CIRCUIT DI-PL	* U	JPL	MA	R	33	05	62	J	003510	4600077	
D	4600079			ART WORK DI-POLE	* U	JPL	MA	R	33	07	61	J	003520	4600078	
C	4600080	B		CONDUCTOR ASSY ANT	U	JPL	MA	R	33	01	62	J	004700	4600098	
C	4600081	A		BASE	U	JPL	MA	R	33	08	61	J	004800	4600080	
B	4600082	A		BASE PLATE	U	JPL	MA	R	33	08	61	J	004900	4600081	
B	4600083	A		CONDUCTOR	U	JPL	MA	R	33	08	61	J	005000	4600081	
B	4600084	A		BUSHING	U	JPL	MA	R	33	08	61	J	005100	4600081	
B	4600085	A		CONNECTOR RF MOD	U	JPL	MA	R	33	08	61	J	005200	4600080	
B	4600086	B		CONDUCTOR CENTER	U	JPL	MA	R	33	04	62	J	005300	4600080	
B	4600087			GUSSET	* U	JPL	MA	R	33	07	61	J	003530	4600077	
B	4600088	A		COLUMN	* U	JPL	MA	R	33	08	61	J	003540	4600077	
B	4600089			CAP CENTER CONDUCTOR	U	JPL	MA	R	33	07	61	J	003600	4600076	
B	4600089			CAP CENTER CONDUCTOR	U	JPL	MA	R	33	07	61	J	004100	4600097	
C	4600097	A		ANTENNA COMMAND	U	JPL	MA	R	33	01	62	J	003800	4100306	
C	4600098	A		BODY ASSEMBLY	U	JPL	MA	R	33	08	61	J	004200	4600097	
C	4600099	B		CB COMMAND ANTENNA	U	JPL	MA	R	33	04	62	J	005400	4600098	
B	4600151			PLATE REINFORCEMENT	U	JPL	MA	R	33	07	61	J	003700	4600076	

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DWG	DRAWING NO.	REV NO.	REV	TITLE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
D	4600152		B	XPONDER CAVITY SCHEM	*	U	JPL	MA	R	33	10	62	J	082400	4600008
C	4600161			TRANSDUCER		U	JPL	MA	R	33	11	61	J	199000	4800297
D	4600183		B	JOINT ROTARY COAX		U	JPL	MA	R	33	04	62	J	056000	4100310
B	4600184			SPACER BEARING OUTER		U	JPL	MA	R	33	10	61	J	057300	4600183
B	4600185			SPACER BEARING INNER		U	JPL	MA	R	33	10	61	J	057400	4600183
B	4600186			SPACER DIELECT SMALL		U	JPL	MA	R	33	10	61	J	057500	4600183
B	4600187			SPACER DIELECT INNER		U	JPL	MA	R	33	10	61	J	057600	4600183
D	4600312		A	XMFR REC SUBASSY ENV		U	JPL	MA	R	33	10	61	J	167100	4900501
D	4600317		B	JUNCTION BOX SCHEM		U	JPL	MA	R	33	01	62	J	168700	4600318
A	4600318	PL		JUNCTION BOX COMMUN		U	JPL	MA	R	33	01	62	J	168800	4600318
J	4600318		D	COMMUNICATIONS 2A5		U	JPL	MA	R	33	09	62	J	168300	4900501
D	4600319		B	CB1 PC JUNCTION BOX		U	JPL	MA	R	33	01	62	J	168900	4600318
B	4600320			SPACER JUNCTION BOX		U	JPL	MA	R	33	10	61	J	169000	4600318
D	4600321		B	SUBCHASS JUNCT BOX		U	JPL	MA	R	33	08	62	J	169100	4600318
J	4600333		D	CHASS ASSY L-BAND		U	JPL	MA	R	33	01	62	J	182100	4900501
D	4600337			SHIELD CHASSIS		U	JPL	MA	R	33	11	61	J	144400	4500121
C	4600338			SHELL OUTER CHOKE		U	JPL	MA	R	33	12	61	J	057700	4600183
J	4600339		A	SHIELD CHASSIS ASSY		U	JPL	MA	R	33	01	62	J	182500	4600333
J	4600340		B	ANT OMNI-DIRECTIONAL	*	U	JPL	MA	R	33	12	62	J	057800	4100310
D	4600341			GROUND PLANE UPPER		U	JPL	MA	R	33	02	62	J	059200	4600340
D	4600342			CONE-OUTER TUBE SUBA		U	JPL	MA	R	33	03	62	J	059300	4600340
	14049			SELF-LKG 4-40X3/16		U	MOT	MA	R	33			O	148000	25380
	14049			SELF-LKG 4-40X3/16		U	MOT	MA	R	33			O	163300	25381
	14049			SELF-LKG 4-40X3/16		U	MOT	MA	R	33			O	145400	25382
	14049			SCR SELF-LKG PAN HD		U	MOT	MA	R	33			O	158900	25383
	14143			INS SLVG ELEC EXPAND		U	MOT	MA	R	33			O	199500	25367
	14143			INS SLVG FLEC EXPAND		U	MOT	MA	R	33			O	161500	25368
	14143			INS SLVG #18 WHT		U	MOT	MA	R	33			O	146600	25369
	14143			INS SLVG #18 WHT		U	MOT	MA	R	33			O	148600	25370
	14143			INS SLVG #18 WHT		U	MOT	MA	R	33			O	154200	25371
	14143			INS SLVG #18 WHT		U	MOT	MA	R	33			O	163900	25372
	14143			INS SLVG ELEC-EXPAND		U	MOT	MA	R	33			O	166100	25373
	15013			PAN HD 6-32X 5/16		U	MOT	MA	R	33			O	148100	25380
	15013			SCR MACH HD 6-32X		U	MOT	MA	R	33			O	163400	25381
	15013			PAN HD 6-32X 5/16		U	MOT	MA	R	33			O	145500	25382
	15013			SCR MACH PAN HD		U	MOT	MA	R	33			O	159000	25383

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							SERIAL	THRU SER.		NO.	YR.			
	15015		WIRE ELEC B-22-U WHT	U	MOT	MA R		33			0	159600	25367	
	15015		WIRE ELEC B-22-U	U	MOT	MA R		33			0	161600	25368	
	15015		WIRE ELEC B-22-U WHT	U	MOT	MA R		33			0	146700	25369	
	15015		WIRE ELEC B-22-V WHT	U	MOT	MA R		33			0	148700	25370	
	15015		WIRE ELEC B-22-U WHT	U	MOT	MA R		33			0	154300	25371	
	15015		WIRE ELEC B-22-U WHT	U	MOT	MA R		33			0	164000	25372	
	15015		WIRE ELEC B-22-U WHT	U	MOT	MA R		33			0	166200	25373	
	15021		RES FXD 5100-5-1/4	U	MOT	MA R		33			0	149600	25278	
	15021		RES FXD 5100-5-1/4	U	MOT	MA R		33			0	154800	25281	
	15021		RES FXD 18K-5-1/4	U	MOT	MA R		33			0	161800	25288	
	15021		RES FXD 18K-5-1/4	U	MOT	MA R		33			0	150600	25297	
	15021		RES FXD 220K-5-1/4	U	MOT	MA R		33			0	155800	25322	
	15021		RES FXD 1000-5-1/4	U	MOT	MA R		33			0	156200	25325	
	15021		RES FXD 6200-5-1/4	U	MOT	MA R		33			0	151200	25328	
	15021		RES FXD 220K-5-1/4	U	MOT	MA R		33			0	156600	25332	
	15021		RES FXD 47K-5-1/4	U	MOT	MA R		33			0	157000	25335	
	15021		RES FXD 10K-5-1/4	U	MOT	MA P		33			0	151700	25338	
	15021		RES FXD 3300-5-1/4	U	MOT	MA R		33			0	157400	25341	
	15021		RES FXD 10-5-1/4	U	MOT	MA R		33			0	146100	25344	
	15021		RES FXD COMP	U	MOT	MA R		33			0	160500	25360	
	15021		RES FXD 560-5-1/4	U	MOT	MA R		33			0	160900	25361	
	15021		RES FXD 27K-5-1/4	U	MOT	MA R		33			0	157800	25362	
	15021		RES FXD 5600-5-1/4	U	MOT	MA R		33			0	152100	25363	
	15021		RES FXD 330-5-1/4	U	MOT	MA R		33			0	152500	25364	
	15021		RES FXD 2200-5-1/4	U	MOT	MA R		33			0	153000	25365	
	15021		RES FXD 100K-5-1/4	U	MOT	MA R		33			0	148800	25370	
	15021		RES FXD 470K-5-1/4	U	MOT	MA R		33			0	154400	25371	
	15021		RES FXD 100K-5-1/4	U	MOT	MA R		33			0	164100	25372	
	15021		RES FXD 39K-5-1/4	U	MOT	MA R		33			0	153400	25374	
	15022		RES FXD 82K-5-1/2	U	MOT	MA R		33			0	151300	25320	
	15067		WASH LOCK #4 MED SPT	U	MOT	MA R		33			0	148200	25380	
	15067		LOCK #4 MED SPLIT	U	MOT	MA R		33			0	163500	25381	
	15067		WASH LOCK #4 MED SPL	U	MOT	MA R		33			0	145600	25382	
	15067		WASH LOCK #4 MED	U	MOT	MA R		33			0	159100	25383	
	22465		FILTER BAND	U	MOT	MA R		33			0	154500	25371	
	22485		PCB	U	MOT	MA R		33			0	161000	25361	
	22486		PCB	U	MOT	MA R		33			0	161100	25361	
	22488		PC BD	U	MOT	MA R		33			0	160600	25360	
	22489		PC BD	U	MOT	MA P		33			0	160700	25360	
	22490		XMFR AF-CHOP DEMOD	U	MOT	MA R		33			0	148900	25370	

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							SERIAL	THRU SER.		NO.	YR.			
	22490		TRANSFORMER AF	U	MOT	MA R		33			0	154600	25371	
	22491		XMFR AF	U	MOT	MA R		33			0	149000	25370	
	22491		XMFR AF-LOOP PH DET	U	MOT	MA R		33			0	164200	25372	
	22494		HOUSING SUBCHASSIS	U	MOT	MA R		33			0	148300	25380	
	22494		HOUSING SUBCHASSIS	U	MOT	MA R		33			0	163600	25381	
	22497		HOUSING SUBCHASSIS	U	MOT	MA R		33			0	159200	25383	
	22549		PCB	U	MOT	MA R		33			0	158200	25366	
	22550		PCB	U	MOT	MA R		33			0	158300	25366	
	22555		PCB	U	MOT	MA R		33			0	157900	25364	
	22556		PCB	U	MOT	MA R		33			0	158000	25362	
	22568		PCB	U	MOT	MA R		33			0	153100	25365	
	22569		PCB	U	MOT	MA R		33			0	153200	25365	
	22571		PCB	U	MOT	MA R		33			0	152600	25364	
	22572		PCB	U	MOT	MA R		33			0	152700	25364	
	22577		PCB	U	MOT	MA R		33			0	152200	25363	
	22578		PCB	U	MOT	MA R		33			0	152300	25363	
	22629		TRANSFORMER AF-211	U	MOT	MA R		33			0	146800	25369	
	22630		TRANSFORMER AF-212	U	MOT	MA R		33			0	146900	25369	
	22631		INDUCTOR-3MH	U	MOT	MA R		33			0	147000	25369	
	22643		TRANSISTOR	U	MOT	MA R		33			0	152800	25364	
	22645		HOUSING SUBCHASSIS	U	MOT	MA R		33			0	145700	25382	
	22647		SPACER SUBCHASSIS	U	MOT	MA R		33			0	148400	25380	
	22647		SPACER SUBCHASSIS	U	MOT	MA R		33			0	163700	25381	
	22647		SPACER SUBCHASSIS	U	MOT	MA R		33			0	145800	25382	
	22647		SPACER SUBCHASSIS	U	MOT	MA R		33			0	159300	25383	
	25275		PH DET LOOP-CM MOD	U	MOT	MA R		33			0	149100	25370	
	25275		LOOP PH DET-COM PH	U	MOT	MA R		33			0	164300	25372	
	25276		PCB	U	MOT	MA R		33			0	149300	25275	
	25277		PCB	U	MOT	MA R		33			0	149400	25275	
	25278		QUAD PHASE DET MOD	U	MOT	MA R		33			0	149500	25270	
	25279		PCB	U	MOT	MA R		33			0	149700	25278	
	25280		PCB	U	MOT	MA R		33			0	149800	25278	
	25281		CHOPPER	U	MOT	MA R		33			0	154700	25371	
	25282		PCB	U	MOT	MA R		33			0	154900	25281	
	25283		PCB	U	MOT	MA R		33			0	155000	25281	
	25284		LOOP PH DET DRVR MOD	U	MOT	MA R		33			0	149900	25370	
	25284		LOOP PH DET DRVR MOD	U	MOT	MA R		33			0	155100	25371	
	25284		LOOP PH DET DRVR MOD	U	MOT	MA R		33			0	164400	25372	
	25285		PCB	U	MOT	MA P		33			0	150000	25284	
	25285		PCB	U	MOT	MA R		33			0	150300	25287	

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REV	DRAWING NO.	DATE	TITLE	REV	REVISION	RELEASE FOR		REV	DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
						MAJOR	MINOR					
	25286		PCB	U	MOT	MA	R	33		U	150100	25284
	25286		PCB	U	MOT	MA	R	33		U	150400	25287
	25287		QUAD PH DET DRVR MOD	U	MOT	MA	R	33		U	150200	25370
	25288		DUAL DRIVER MODULE	U	MOT	MA	R	33		U	161700	25368
	25288		LP DUAL DRIVER MOD	U	MOT	MA	R	33		U	164500	25372
	25288		LP DUAL DRIVER MOD	U	MOT	MA	R	33		U	166300	25373
	25289		PCB	U	MOT	MA	R	33		U	161900	25288
	25290		PCB	U	MOT	MA	R	33		U	162000	25288
	25291		DUAL&INVERT GATE MOD	U	MOT	MA	R	33		U	159700	25367
	25291		DUAL&INVERT MODULE	U	MOT	MA	R	33		U	162100	25368
	25291		L PWR DUAL-INV MOD	U	MOT	MA	R	33		U	155200	25371
	25291		LP DUAL-INV GATE MOD	U	MOT	MA	R	33		U	164600	25372
	25291		LP DUAL-INV GATE MOD	U	MOT	MA	R	33		U	166400	25373
	25292		PCB	U	MOT	MA	R	33		U	155300	25291
	25292		PCB	U	MOT	MA	R	33		U	153800	25384
	25293		PCB	U	MOT	MA	R	33		U	155400	25291
	25293		PCB	U	MOT	MA	R	33		U	153900	25384
	25294		9 INPUT DET-INV MOD	U	MOT	MA	R	33		U	164700	25372
	25295		PCB	U	MOT	MA	R	33		U	164800	25294
	25297		DRIVER&INVERT GATE	U	MOT	MA	R	33		U	159800	25367
	25297		DRIVER&INVERT GATE	U	MOT	MA	R	33		U	162200	25368
	25297		DRIVER-INVERT MODULE	U	MOT	MA	R	33		U	150500	25370
	25297		DRIVER-INV GATE MOD	U	MOT	MA	R	33		U	165000	25372
	25298		PCB	U	MOT	MA	R	33		U	150700	25297
	25299		PCB	U	MOT	MA	R	33		U	150800	25297
	25304		PC BD1	U	MOT	MA	R	33		U	159900	25367
	25305		PC BD2	U	MOT	MA	R	33		U	160000	25367
	25306		PC1	U	MOT	MA	R	33		U	162300	25368
	25307		PC BD2	U	MOT	MA	R	33		U	162400	25368
	25308		PCB-#2	U	MOT	MA	R	33		U	150900	25370
	25309		PCB-#1	U	MOT	MA	R	33		U	151000	25370
	25310		PCB-#2	U	MOT	MA	R	33		U	155500	25371
	25311		PCB-#1	U	MOT	MA	R	33		U	155600	25371
	25312		PCB-#2	U	MOT	MA	R	33		U	165100	25372
	25313		PCB#1	U	MOT	MA	R	33		U	165200	25372
	25314		PC#1	U	MOT	MA	R	33		U	166500	25373
	25315		PC#2	U	MOT	MA	R	33		U	166600	25373
	25317		PCB	U	MOT	MA	R	33		U	164900	25294
	25318		9 INPUT&INVERT MOD	U	MOT	MA	R	33		U	160100	25367
	25318		INPUT&INVERT MODULE	U	MOT	MA	R	33		U	162500	25368

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						MAJOR	MINOR					
	25319		PC BD	U	MOT	MA	R	33		U	160200	25318
	25320		PC BD	U	MOT	MA	R	33		U	160300	25318
	25322		LIMITER AMPL MODULE	U	MOT	MA	R	33		U	155700	25371
	25323		PCB	U	MOT	MA	R	33		U	155900	25322
	25324		PCB	U	MOT	MA	R	33		U	156000	25322
	25325		LIMITER EMIT FOL MOD	U	MOT	MA	R	33		U	156100	25371
	25326		PCB	U	MOT	MA	R	33		U	156300	25325
	25327		PCB	U	MOT	MA	R	33		U	156400	25325
	25328		8 MSEC MONO MODULE	U	MOT	MA	R	33		U	151100	25370
	25329		PCB	U	MOT	MA	R	33		U	151400	25328
	25330		PCB	U	MOT	MA	R	33		U	151500	25328
	25331		VOLTAGE CONT OSC	U	MOT	MA	R	33		U	165300	25372
	25332		COM INPUT AMPL MOD	U	MOT	MA	R	33		U	156500	25371
	25333		PCB	U	MOT	MA	R	33		U	156700	25332
	25334		PCB	U	MOT	MA	R	33		U	156800	25332
	25335		COM OUPUT AMPL MOD	U	MOT	MA	R	33		U	156900	25371
	25336		PCB	U	MOT	MA	R	33		U	157100	25335
	25337		PCB	U	MOT	MA	R	33		U	157200	25335
	25338		DUMP DRIVER MODULE	U	MOT	MA	R	33		U	151600	25370
	25339		PCB 00-5-1/4	U	MOT	MA	R	33		U	151800	25338
	25340		PCB	U	MOT	MA	R	33		U	151900	25338
	25341		3 9V618V MODULE	U	MOT	MA	R	33		U	157300	25371
	25342		PCB	U	MOT	MA	R	33		U	157500	25341
	25343		PCB	U	MOT	MA	R	33		U	157600	25341
	25344		6V 28V RECT MODULE	U	MOT	MA	R	33		U	146000	25369
	25345		PCB	U	MOT	MA	R	33		U	146200	25344
	25346		PCB	U	MOT	MA	R	33		U	146300	25344
	25347		6 VOLT REC-FIL MOD	U	MOT	MA	R	33		U	146400	25369
	25348		PCB	U	MOT	MA	R	33		U	146500	25347
	25349		PCB	U	MOT	MA	R	33		U	147100	25369
	25350		LOOP FILTER MODULE	U	MOT	MA	R	33		U	165400	25372
	25351		PCB	U	MOT	MA	R	33		U	165500	25350
	25352		PCB	U	MOT	MA	R	33		U	165600	25350
	25353		PCB	U	MOT	MA	R	33		U	147200	25369
	25360		1S SW MODULE	U	MOT	MA	R	33		U	160400	25367
	25361		1P SW MODULE	U	MOT	MA	R	33		U	160800	25367
	25361		1P SWITCH MODULE	U	MOT	MA	R	33		U	162600	25368
	25361		1P SWITCH MODULE	U	MOT	MA	R	33		U	166700	25373
	25362		LIMITER MODULE	U	MOT	MA	R	33		U	157700	25371
	25363		DUAL INVERTER MODULE	U	MOT	MA	R	33		U	152000	25370

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							SERIAL	THRU SER.		NO.	BY				
	25364		DUAL DUMP MODULE		U	MOT	MA	R	33			O	152400	25370	
	25365		MATCHED FIL AMPL MOD		U	MOT	MA	R	33			O	152900	25370	
	25366		INPUT EMIT FOL MOD		U	MOT	MA	R	33			O	158100	25371	
	25367		DECODER ASSY		U	MOT	MA	R	33			O	159400	25383	
	25368		DECODER ASSY		U	MOT	MA	R	33			O	161400	25383	
	25369		POWER SUPPLY ASSY OF		U	MOT	MA	R	33			O	145900	25382	
	25370		FIL & PHASE 3A2A2		U	MOT	MA	R	33			O	148500	25380	
	25371		AMPL COMMAND-3A2A1		U	MOT	MA	R	33			O	154100	25380	
	25372		GEN PH LK-L 3A1A2		U	MOT	MA	R	33			O	163800	25381	
	25373		TELEMETRY 3A1A1		U	MOT	MA	R	33			O	165900	25381	
	25374		S/R/T FLIP FLOP MOD		U	MOT	MA	R	33			O	161200	25367	
	25374		S/R/T FLIP FLOP MOD		U	MOT	MA	R	33			O	162700	25368	
	25374		S/R/T FLIP-FLOP		U	MOT	MA	R	33			O	153300	25370	
	25374		S/R/T FLIP FLOP MOD		U	MOT	MA	R	33			O	165700	25372	
	25374		S/R/T FLIP-FLOP MOD		U	MOT	MA	R	33			O	166800	25373	
	25375		PCB		U	MOT	MA	R	33			O	153500	25374	
	25376		PCB		U	MOT	MA	R	33			O	153600	25374	
	25380		DETECTOR -3A2		U	MOT	MA	R	33			O	147900	4600309	
	25381		DETECTOR A-3A1		U	MOT	MA	R	33			O	163200	4600311	
	25382		POWER SUPPLY-3A3		U	MOT	MA	R	33			O	145300	4600308	
	25383		DECODER 3A4		U	MOT	MA	R	33			O	158800	4600310	
	25384		DET-INVERT GATE MOD		U	MOT	MA	R	33			O	153700	25370	
	25385		SPACER CONNECTOR		U	MOT	MA	R	33			O	158500	25384	
	25385		SPACER CONN ELEC		U	MOT	MA	R	33			O	166000	25381	
	25385		SPACER CONN ELEC		U	MOT	MA	R	33			O	147500	25382	
	25385		SPACER CONN ELEC		U	MOT	MA	R	33			O	162900	25383	
	25540		DUMMY MODULE		U	MOT	MA	R	33			O	147300	25369	
	25540		DUMMY MODULE		U	MOT	MA	R	33			O	166900	25373	
	29503		INS COMP FLEC PROTEC		U	MOT	MA	R	33			O	161300	25367	
	29503		INS LACQUER KIT		U	MOT	MA	R	33			O	162800	25368	
	29503		INS LACQUER		U	MOT	MA	R	33			O	147400	25369	
	29503		INS LACQUER KIT		U	MOT	MA	R	33			O	154000	25370	
	29503		INS LACQUER KIT		U	MOT	MA	R	33			O	158400	25371	
	29503		INS LACQUER KIT		U	MOT	MA	R	33			O	165800	25372	
	29503		INS LACQUER KIT		U	MOT	MA	R	33			O	167000	25373	
F	120123	B	XPONDER SUBASSY		U	MOT	MA	R	33	07	62	C	107300	4300187	
F	120148	B	OSCILLATOR RADIO		U	MOT	MA	R	33	07	62	C	107400	0120123	
F	120159	B	FREQUENCY DIVIDER		U	MOT	MA	R	33	07	62	C	122000	0120178	
D	120160	B	DETECTOR RADIO FREQU		U	MOT	MA	R	33	07	62	C	123900	0120178	
B	120168	B	FILTER SUBASSY LOW		U	MOT	MA	R	33	07	62	C	111600	0120173	

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							REPL.	THRU		BY	DATE		REV	DATE	
D	120170		CONVERTER FREQ ELECT			U	MOT	MA	R	33	07	62	C	109000	0120123
D	120171		AMPLIFIER INTER FREQ			U	MOT	MA	R	33	07	62	C	124900	0120178
D	120172		AMP 2 INTERMED FREQ			U	MOT	MA	R	33	07	62	C	125900	0120178
D	120173	B	FILTER LOW PASS			U	MOT	MA	R	33	07	62	C	111500	0120123
D	120174		AMPLIFIER DIRECT			U	MOT	MA	R	33	07	62	C	126800	0120178
D	120175	B	OSCILLATOR RADIO			U	MOT	MA	R	33	07	62	C	112400	0120123
D	120176	B	FREQUENCY MULTIPLIER			U	MOT	MA	R	33	07	62	C	114300	0120123
D	120177		FREQ MULTIPLIER			U	MOT	MA	R	33	07	62	C	117700	0120123
F	120178		XPONDER SUBASSY			U	MOT	MA	R	33	07	62	C	121900	4300188
D	120199	B	AMPLIFIER SUBASSY			U	MOT	MA	R	33	07	62	C	126000	0120172
H	120310	A	CAVITY TUNED X7			U	MOT	MA	R	33	07	62	C	114400	0120176
B	120834	B	BLOCK MTG SUBASSY			U	MOT	MA	R	33	07	62	C	109100	0120170
C	120855	B	FREQ CONVERTER LOWER			U	MOT	MA	R	33	07	62	C	109600	0120170
D	120856	B	FREQ CONVERTER SUBAY			U	MOT	MA	R	33	07	62	C	109900	0120170
	120860	B	TRANSPONDER 890/960	*	U	MOT	MR6			33		O			
	120883	B	TRANSPONDER A1A7	*	U	MOT	MR6			33		O			
	120884	B	TRANSPONDER A2A7		U	MOT	MR6			33		O			
H	122726	A	CAVITY TUNED X4		U	MOT	MA	R		33	07	62	C	117800	0120177
B	220126	B	NUT PLAIN HEXAGON		U	MOT	MA	R		33	07	62	C	114500	0120310
C	320127	B	SCREW TUNER CAVITY		U	MOT	MA	R		33	07	62	C	114600	0120310
C	320127	B	SCREW TUNER CAVITY		U	MOT	MA	R		33	07	62	C	117900	0122726
C	320280	A	RETAINER THREADED		U	MOT	MA	R		33	07	62	C	110200	0120170
	320325	A	SCR MACH FH 2-56 68	*	U	MOT	MA	R		33		O			
	320898	B	FASTENER CONNECTOR		U	MOT	MR6			33		O			
B	420201	A	WASHER FLAT		U	MOT	MA	R		33	07	62	C	128400	0120178
B	420202	A	WASHER FLAT		U	MOT	MA	R		33	07	62	C	119000	0120177
	425211	B	WASHER SPACER	*	U	MOT	MA	R		33		O			
B	520857	B	GROMMET METALLIC		U	MOT	MA	R		33	07	62	C	110300	0120170
	620881		RES THERMAL	*	U	MOT	MR6			33		O			
D	720134	B	BRACKET CONNECTR MTG		U	MOT	MA	R		33	07	62	C	120300	0120123
D	720137	B	BRACKET CONNECTR MTG		U	MOT	MA	R		33	07	62	C	128500	0120178
D	720262	A	BRACKET RETAINER		U	MOT	MA	R		33	07	62	C	110400	0120170
U	820219	A	CAPACITOR FIXED PLAS		U	MOT	MA	R		33	07	62	C	111800	0120173
	1129509	A	INS VARNISH	*	U	MOT	MA	R		33		O			
	1129509	A	INS VARNISH	*	U	MOT	MR6			33		O			
B	1420136	B	INSULATOR PLATE		U	MOT	MA	R		33	07	62	C	111900	0120173
B	1420202	A	INSULATOR PLATE		U	MOT	MA	R		33	07	62	C	126900	0120174
B	1420221	A	INSULATOR BUSHING		U	MOT	MA	R		33	07	62	C	120400	0120123
B	1420277	A	INSULATOR XFORMER		U	MOT	MA	R		33	07	62	C	120500	0120123
	1422686	A	INSULATOR PLATE	*	U	MOT	MA	R		33		O			

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								ORIGINAL	THRU REV.		NO.	TO				
B	1422730	A		INSULATOR CONTACT	U	MOT	MA R			33	07	62	C	114700	0120310	
B	1422730	A		INSULATOR CONTACT	U	MOT	MA R			33	07	62	C	118000	0122726	
C	1422733	A		INSULATOR	U	MOT	MA R			33	07	62	C	114800	0120310	
C	1422733	A		INSULATOR	U	MOT	MA R			33	07	62	C	118100	0122726	
B	1422750	B		INSULATOR CAV	U	MOT	MA R			33	07	62	C	118200	0122726	
H	1520133	B		HOUSING XPONDER	U	MOT	MA R			33	07	62	C	128600	0120178	
C	1520206	A		HOLDER CRYSTAL UNIT	U	MOT	MA R			33	07	62	C	108800	4822700	
D	1520279	A		COVER DUST	U	MOT	MA R			33	07	62	C	110500	0120170	
D	1520296	A		SHELL TUNED CAVITY	U	MOT	MA R			33	07	62	C	115700	0120176	
D	1520306	A		SHELL TUNED CAVITY	U	MOT	MA R			33	07	62	C	119100	0120177	
D	1522736			SHELL CAVITY SUBASSY	U	MOT	MA R			33	07	62	C	114900	0120310	
D	1522736			SHELL CAVITY SUBASSY	U	MOT	MA R			33	07	62	C	118300	0122726	
	2129500	A		CAP FIXED CERAMIC	*	U	MOT	MA R		33			O			
	2129519	B		CAP FIXED CERAMIC	*	U	MOT	MA R		33			O			
C	2420142	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07	62	C	107800	4620138	
C	2420143	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07	62	C	108100	4620863	
C	2420144	B		XFORMER RADIO VCO T3	U	MOT	MA R			33	07	62	C	108200	4620863	
C	2420145	B		XFORMER RADIO VCO T4	U	MOT	MA R			33	07	62	C	108300	4620863	
C	2420147	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07	62	C	108400	4620863	
C	2420153	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07	62	C	122500	4620117	
C	2420154	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07	62	C	122100	0120159	
C	2420155	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07	62	C	123000	4620150	
C	2420156	B		XFORMER RADIO T5	U	MOT	MA R			33	07	62	C	123300	4620151	
C	2420157	B		XFORMER RADIO T6	U	MOT	MA R			33	07	62	C	123600	4620152	
C	2420165	B		XFORMER RADIO T3	U	MOT	MA R			33	07	62	C	124600	4620162	
C	2420166	B		XFORMER RADIO T4	U	MOT	MA R			33	07	62	C	124000	0120160	
C	2420167	B		XFORMER RADIO FREQ	U	MOT	MA R			33	07	62	C	124100	0120160	
C	2420183	B		XFORMER RADIO T2	U	MOT	MA R			33	07	62	C	113200	4620179	
C	2420185	B		XFORMER RADIO T4	U	MOT	MA R			33	07	62	C	113700	4620181	
C	2420185	B		XFORMER RADIO T4	U	MOT	MA R			33	07	62	C	114000	4620854	
C	2420196	B		XFMR RADIO FREQ	U	MOT	MA R			33	07	62	C	126100	0120199	
C	2420197	B		XFMR RADIO FREQ	U	MOT	MA R			33	07	62	C	126200	0120199	
C	2420198	B		XFMR RADIO FREQ	U	MOT	MA R			33	07	62	C	126300	0120199	
C	2420381	A		XFMR RADIO FREQ	U	MOT	MA R			33	07	62	C	110600	0120170	
C	2420382	A		XFMR RADIO FREQ	U	MOT	MA R			33	07	62	C	109700	0120855	
C	2420383	A		XFMR RADIO FREQ	U	MOT	MA R			33	07	62	C	110700	0120170	
B	2420384	A		COIL RADIO FREQ	U	MOT	MA R			33	07	62	C	110000	0120856	
	2420819	B		TRANSFORMER RF	*	U	MOT	MA R		33			O			
C	2420820	B		XFMR RADIO FREQ	U	MOT	MA R			33	07	62	C	119200	0120177	
C	2420821	B		XFMR RADIO FREQ	U	MOT	MA R			33	07	62	C	119300	0120177	

\* DENOTES CHANGE TO PREVIOUS LIST

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## DRAWING LIST

REV	DRAWING NO.	BASE NO.	REV	TITLE	DES	Z	VENOR CODE	RELEASE FOR MAJOR ITEM		REV. BY	RELEASE DATE		DRAWING CONTROL STATUS		NEXT ASSEMBLY	S
								ORIGINAL	THRU REV.		NO.	TO				
C	2420827	B		XFMR RADIO FREQ	U	MOT	MA R			33	07	62	C	115800	0120176	
C	2420828	B		XFMR RADIO FREQ	U	MOT	MA R			33	07	62	C	115900	0120176	
C	2420831	B		COIL RADIO FREQ	U	MOT	MA R			33	07	62	C	116400	4620823	
C	2420836	B		XFMR RF FREQ	U	MOT	MA R			33	07	62	C	109200	0120834	
C	2420837	B		COIL RF FREQ CONVERT	U	MOT	MA R			33	07	62	C	109300	0120834	
C	2420841	B		COIL RADIO FREQ	U	MOT	MA R			33	07	62	C	107500	0120148	
C	2420850	B		COIL RADIO FREQ	U	MOT	MA R			33	07	62	C	112500	0120175	
C	2420864	B		XFMR RADIO FREQ VCO	U	MOT	MA R			33	07	62	C	108500	4620863	
C	2425202	B		XFMR RADIO FREQUENCY	U	MOT	MA R			33	07	62	C	123300	4620186	
C	2425213	B		COIL RADIO FREQ VARI	U	MOT	MA R			33	07	62	C	116000	0120176	
C	2425214	B		COIL RADIO FREQUENCY	U	MOT	MA R			33	07	62	C	125000	0120171	
C	2425216	B		XFMR RADIO FREQUENCY	U	MOT	MA R			33	07	62	C	112600	0120175	
C	2425217	B		XFMR RADIO FREQUENCY	U	MOT	MA R			33	07	62	C	112700	0120175	
C	2425220	B		COIL RAD FREQ DIVIDR	U	MOT	MA R			33	07	62	C	122200	0120159	
C	2425224	B		XFMR RAD FREQ CONVER	U	MOT	MA R			33	07	62	C	109400	0120834	
D	2522710	A		FILTER BAND PASS CRY	U	MOT	MA R			33	07	62	C	126500	0120172	
	2525218			FILTER BND PASS CRY	*	U	MOT	MR62		33			O			
F	2720100	B		CHASS ELECT EQUIP	U	MOT	MA R			33	07	62	C	107600	0120148	
F	2720104	B		CHASS ELECT EQUIP	U	MOT	MA R			33	07	62	C	125100	0120171	
F	2720108	B		CHASSIS ELECT EQUIP	U	MOT	MA R			33	07	62	C	122300	0120159	
F	2720116	B		CHASS ELECT EQUIP	U	MOT	MA R			33	07	62	C	124200	0120160	
H	2720118	B		CHASS ELECT EQUIP	U	MOT	MA R			33	07	62	C	126600	0120172	
F	2720121	B		CHASS ELECT EQUIP	U	MOT	MA R			33	07	62	C	112000	0120173	
F	2720129	B		CHASS ELECT EQUIP	U	MOT	MA R			33	07	62	C	119400	0120177	
F	2720130	B		CHASS ELECT EQUIP	U	MOT	MA R			33	07	62	C	116100	0120176	
F	2720131	B		CHASS ELECT EQUIP	U	MOT	MA R			33	07	62	C	127000	0120174	
F	2720132	B		CHASS ELECT EQUIP	U	MOT	MA R			33	07	62	C	110800	0120170	
F	2720158	B		CHASS ELECT EQUIP	U	MOT	MA R			33	07	62	C	112800	0120175	
B	2720276	A		BASE COIL	U	MOT	MA R			33	07	62	C	120600	0120123	
F	2726593	B		CHASS ELECT EQUIP	U	MOT	MA R			33	07	62	C	110900	0120170	
	2922698	A		TERMINAL STUD	*	U	MOT	MA R		33			O			
	2926826	B		LUG TERM	*	U	MOT	MA R		33			O			
C	3020842	B		CABLE ASSY RF	U	MOT	MA R			33	07	62	C	120700	0120123	
C	3020842	B		CABLE ASSY RF	U	MOT	MA R			33	07	62	C	128700	0120178	
C	3020843	B		CABLE ASSY RF	U	MOT	MA R			33	07	62	C	120800	0120123	
C	3020843	B		CABLE ASSY RF	U	MOT	MA R			33	07	62	C	128800	0120178	
C	3020844	B		CABLE ASSY RF W16W11	U	MOT	MA R			33	07	62	C	120900	0120123	
C	3020844	B		CABLE ASSY RF W16W11	U	MOT	MA R			33	07	62	C	128900	0120178	
C	3020851	B		CABLE ASSY	U	MOT	MA R			33	07	62	C	121000	0120123	
C	3020851	B		CABLE ASSY	U	MOT	MA R			33	07	62	C	129000	0120178	

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**DRAWING LIST**

REV	DRAWING NO.	PART NO.	REV	TITLE	REV	UNIT	TERMINAL CODE	RELEASE FOR BLOCK ITEM	STEP	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV		
								SERIAL	THRU SER.	NO.	TH.				
D	3020852	B		CABLE ASSY	U	MOT	MA	R	33	07	62	C	121100	0120123	
D	3020853	B		CABLE ASSY	U	MOT	MA	R	33	07	62	C	129100	0120178	
	3020894	B		WIRE ELEC #25 HF	*	U	MOT	MA	R	33		O			
	3020897	B		CABLE RF	*	U	MOT	MR6	33			O			
	3026830	B		WIRE GOLD PLATED	*	U	MOT	MA	R	33		O			
	3820894	B		WIRE ELEC #25HF	*	U	MOT	MA	R	33		O			
C	3920192	B		CONTACT ELECTRICAL	U	MOT	MA	R	33	07	62	C	115000	0120310	
C	3920192	B		CONTACT ELECTRICAL	U	MOT	MA	R	33	07	62	C	118400	0122726	
C	3920193	B		CONTACT ELECTRICAL	U	MOT	MA	R	33	07	62	C	115100	0120310	
C	3920222	A		CONTACT EL MIXER	U	MOT	MA	R	33	07	62	C	110100	0120856	
C	3920298	A		CONDUCTOR SECTION	U	MOT	MA	R	33	07	62	C	115200	0120310	
C	3920298	A		CONDUCTOR SECTION	U	MOT	MA	R	33	07	62	C	118500	0122726	
B	3922720	A		CONTACT STRIP	U	MOT	MA	R	33	07	62	C	121200	0120123	
C	3922745	A		CONTACT ELEC MXR LWR	U	MOT	MA	R	33	07	62	C	111000	0120170	
D	4220224	A		RETAINER SEMICONDUCT	*	U	MOT	MA	R	33	07	62	C	111100	0120170
	4220323	A		RETAINER CABLE	*	U	MOT	MA	R	33		O			
	4220814	B		RETAINER CABLE	*	U	MOT	MR6	33			O			
	4225212	B		SUPPORT CABLE RET	*	U	MOT	MR6	33			O			
B	4320233	A		ALIGNMENT DEVICE	U	MOT	MA	R	33	07	62	C	115300	0120310	
B	4320233	A		ALIGNMENT DEVICE	U	MOT	MA	R	33	07	62	C	118600	0122726	
B	4322746	A		BUSHING CONTACT ELEC	U	MOT	MA	R	33	07	62	C	121300	0120123	
C	4620101	B		BLOCK MTG SMALL VCO	U	MOT	MA	R	33	07	62	C	107900	4620138	
C	4620105	B		BLOCK MTG XSISTOR	U	MOT	MA	R	33	07	62	C	125400	4620186	
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MA	R	33	07	62	C	123700	4620152	
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MA	R	33	07	62	C	113000	4620169	
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MA	R	33	07	62	C	113300	4620179	
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MA	R	33	07	62	C	113500	4620180	
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MA	R	33	07	62	C	113800	4620181	
C	4620110	B		BLOCK MTG RF DET	U	MOT	MA	R	33	07	62	C	124400	4620161	
C	4620111	B		BLOCK MTG XFORMER	U	MOT	MA	R	33	07	62	C	122800	4620149	
C	4620111	B		BLOCK MTG XFORMER	U	MOT	MA	R	33	07	62	C	123400	4620151	
C	4620112	B		BLOCK MTG FREQ	U	MOT	MA	R	33	07	62	C	123100	4620150	
C	4620113	B		BLOCK MTG XFORMER	U	MOT	MA	R	33	07	62	C	122600	4620117	
C	4620114	B		BLOCK MTG	U	MOT	MA	R	33	07	62	C	124700	4620162	
B	4620117	B		BLOCK MTG FREQ DIVID	U	MOT	MA	R	33	07	62	C	122400	0120159	
C	4620122	B		BLOCK MTG	U	MOT	MA	R	33	07	62	C	111700	0120168	
C	4620122	B		BLOCK MTG	U	MOT	MA	R	33	07	62	C	112100	0120173	
C	4620124	B		BLOCK MTG SECOND IF	U	MOT	MA	R	33	07	62	C	126400	0120199	
C	4620135	B		BLOCK MTG FREQ	U	MOT	MA	R	33	07	62	C	109500	0120834	
B	4620138	B		BLOCK MTG VCO TI	U	MOT	MA	R	33	07	62	C	107700	0120148	

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**DRAWING LIST**

REV	DRAWING NO.	PART NO.	REV	TITLE	REV	UNIT	REVISION	RELEASE FOR		STEP	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								SERIAL	THRU SER.		NO.	BY			
B	4620149	B		BLOCK MTG FREQ DIVID		U	MOT	MA	R	33	07	62	C	122700	0120159
B	4620150	B		BLOCK MTG FREQ DIVID		U	MOT	MA	R	33	07	62	C	122900	0120159
B	4620151	B		BLOCK MTG FREQ DIVID		U	MOT	MA	R	33	07	62	C	123200	0120159
B	4620152	B		BLOCK MTG FREQ DIVID		U	MOT	MA	R	33	07	62	C	123500	0120159
C	4620161	B		BLOCK MTG SUBASSY		U	MOT	MA	R	33	07	62	C	124300	0120160
B	4620162	B		BLOCK MTG RF DETECTR		U	MOT	MA	R	33	07	62	C	124500	0120160
B	4620169	B		BLOCK MTG AUX OSC Q1		U	MOT	MA	R	33	07	62	C	112900	0120175
B	4620179	B		BLOCK MTG AUX OSC Q2		U	MOT	MA	R	33	07	62	C	113100	0120175
B	4620180	B		BLOCK MTG AUX OSC Q3		U	MOT	MA	R	33	07	62	C	113400	0120175
B	4620181	B		BLOCK MTG AUX OSC Q5		U	MOT	MA	R	33	07	62	C	113600	0120175
B	4620186	B		BLOCK MTG FIRST		U	MOT	MA	R	33	07	62	C	125200	0120171
C	4620203	A		BLOCK MTG ANGLE		U	MOT	MA	R	33	07	62	C	116600	4620207
C	4620204	A		BLOCK MTG XSISTR LG		U	MOT	MA	R	33	07	62	C	116700	4620207
C	4620204	A		BLOCK MTG XSISTR LG		U	MOT	MA	R	33	07	62	C	127300	4620255
C	4620205	A		BLOCK MTG XFMR		U	MOT	MA	R	33	07	62	C	121400	0120123
C	4620207	A		BLOCK SUBASSY MTG		U	MOT	MA	R	33	07	62	C	119600	4620815
C	4620207	A		BLOCK SUBASSY MTG		U	MOT	MA	R	33	07	62	C	116500	4620823
C	4620207	A		BLOCK SUBASSY MTG		U	MOT	MA	R	33	07	62	C	117100	4620825
C	4620209	A		BLOCK MTG XSISTR		U	MOT	MA	R	33	07	62	C	116800	4620207
D	4620223	A		BLOCK MOUNTING DIODE		U	MOT	MA	R	33	07	62	C	109800	0120855
C	4620254	A		BLOCK MTG AGC AMPL		U	MOT	MA	R	33	07	62	C	127400	4620255
C	4620255	A		BLOCK AGC AMPL		U	MOT	MA	R	33	07	62	C	127200	4620845
C	4620255	A		BLOCK AGC AMPL		U	MOT	MA	R	33	07	62	C	127600	4620846
C	4620255	A		BLOCK AGC AMPL		U	MOT	MA	R	33	07	62	C	127800	4620847
C	4620255	A		BLOCK AGC AMPL		U	MOT	MA	R	33	07	62	C	128000	4620848
C	4620255	A		BLOCK AGC AMPL		U	MOT	MA	R	33	07	62	C	128200	4620849
C	4620316	A		BLOCK MTG XFMR		U	MOT	MA	R	33	07	62	C	112200	0120173
C	4620815	B		BLOCK MTG FREQ MULT		U	MOT	MA	R	33	07	62	C	119500	0120177
C	4620818	B		BLOCK MTG FREQ MULT		U	MOT	MA	R	33	07	62	C	119700	0120177
C	4620822	B		BLOCK MTG FREQ MULT		U	MOT	MA	R	33	07	62	C	119900	0120177
C	4620823	B		BLOCK MTG FREQ MULT		U	MOT	MA	R	33	07	62	C	116300	0120176
C	4620824	B		BLOCK MTG FREQ MULT		U	MOT	MA	R	33	07	62	C	116900	0120176
C	4620825	B		BLOCK MTG FREQ MULT		U	MOT	MA	R	33	07	62	C	117000	0120176
C	4620826	B		BLOCK MTG FREQ MULT		U	MOT	MA	R	33	07	62	C	117200	0120176
C	4620845	B		BLOCK MTG AMPL		U	MOT	MA	R	33	07	62	C	127100	0120174
C	4620846	B		BLOCK MTG AMPL		U	MOT	MA	R	33	07	62	C	127500	0120174
C	4620847	B		BLOCK MTG AMPL		U	MOT	MA	R	33	07	62	C	127700	0120174
C	4620848	B		BLOCK MTG AMPL		U	MOT	MA	R	33	07	62	C	127900	0120174
C	4620849	B		BLOCK MTG AMPL		U	MOT	MA	R	33	07	62	C	128100	0120174
B	4620854	B		BLOCK MOUNT AUX OSC		U	MOT	MA	R	33	07	62	C	113900	0120175

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SIZE	DRAWING NO.	BOM NO.	QTY	TITLE	CNC	UNIT	VENDOR CODE	RELEASE FOR MAJOR ITEM		RESP. BY	BY DATE		DRAWING CONTROL STATUS		NEXT ASSEMBLY	S/C
								SERIAL	THRU SER.		MO.	YR.				
C	4620861	B		BLOCK MTG VCO		U	MOT	MA	R	33	07	62	C	108600	4620863	
C	4620863	B		BLOCK MTG SUBASY VCO		U	MOT	MA	R	33	07	62	C	108000	0120148	
C	4622687		A	BLOCK MTG XSISTOR		U	MOT	MA	R	33	07	62	C	117400	4622695	
C	4622694		A	BLOCK MTG X16 MULT		U	MOT	MA	R	33	07	62	C	117500	4622695	
C	4622695	A		BLOCK SUBASSY MTG		U	MOT	MA	R	33	07	62	C	119800	4620818	
C	4622695	A		BLOCK SUBASSY MTG		U	MOT	MA	R	33	07	62	C	120000	4620822	
C	4622695	A		BLOCK SUBASSY MTG		U	MOT	MA	R	33	07	62	C	117300	4620826	
C	4625203	B		BLK MTG MTL XSISTOR		U	MOT	MA	R	33	07	62	C	125600	4625204	
B	4625204	B		BLOCK MTG		U	MOT	MA	R	33	07	62	C	125500	0120171	
C	4625206	B		BLK ASSY MOUNTING		U	MOT	MA	R	33	07	62	C	125700	0120171	
C	4625228	B		BLK MTR TRANSISTOR		U	MOT	MA	R	33	07	62	C	121500	0120123	
	4820887	B		CAP VOLT VAR		*	U	MOT	MR6	33			Q			
	4820888	B		SEMICON DEV DIODE		*	U	MOT	MA	R	33		Q			
	4820889	B		SEMICON DEV DIODE		*	U	MOT	MA	R	33		Q			
	4820890	B		SEMICON DEV INB31		*	U	MOT	MA	R	33		Q			
	4820891	B		DIODE SILICON		*	U	MOT	MA	R	33		Q			
	4820892			TRANSISTOR 2N708		*	U	MOT	MA	R	33		Q			
	4820892	B		TRANSISTOR 2N1711		*	U	MOT	MA	R	33		Q			
	4820893			TRANSISTOR 2N329A		*	U	MOT	MA	R	33		Q			
	4820896			CRYSTAL QUARTZ		*	U	MOT	MA	R	33		Q			
C	4822700	A		CRYSTAL UNIT QUARTZ		U	MOT	MA	R	33	07	62	C	108700	0120148	
C	4822700	A		CRYSTAL UNIT QUARTZ		U	MOT	MA	R	33	07	62	C	114100	0120175	
B	4920225	A		DISK CENTER TUNED		U	MOT	MA	R	33	07	62	C	115400	0120210	
B	4920225	A		DISK CENTER TUNED		U	MOT	MA	R	33	07	62	C	118700	0122726	
	6222688	A		ADHESIVE CONDUCTIVE		*	U	MOT	MA	R	33		Q			
	6222689	A		ADHESIVE		*	U	MOT	MA	R	33		Q			
	6222693	A		INSULATING COMPOUND		*	U	MOT	MR6	33			Q			
	6320611	B		DETECTOR RF		*	U	MOT	MA	R	33		Q			
F	6320802	B		CONVERTER FREQ SCHEM		U	MOT	MA	R	33	07	62	C	111200	0120170	
F	6320803	B		OSCILLATOR AUXILIARY		U	MOT	MA	R	33	07	62	C	114200	0120175	
D	6320804	B		FREQ MULTIPLIER		U	MOT	MA	R	33	07	62	C	120100	0120177	
D	6320805	B		FILTER LOW PASS		U	MOT	MA	R	33	07	62	C	112300	0120173	
F	6320806	B		OSCILLATOR RADIO		U	MOT	MA	R	33	07	62	C	108900	0120148	
D	6320807	B		FREQ MULTI SCHEMATIC		U	MOT	MA	R	33	07	62	C	117600	0120176	
D	6320808	B		AMPLIFIER DIRECT SCHEM		U	MOT	MA	R	33	07	62	C	128300	0120174	
D	6320809	B		AMPL IMMEDIATE SCHEM		U	MOT	MA	R	33	07	62	C	126700	0120172	
D	6320810	B		AMPLIFIER FIRST		U	MOT	MA	R	33	07	62	C	125800	0120171	
D	6320811	B		DETECTOR SCHEMATIC		U	MOT	MA	R	33	07	62	C	124800	0120160	
F	6320912	B		FREQ DIVIDER		U	MOT	MA	R	33	07	62	C	123800	0120159	
	6322604			SCHEMATIC		*	U	MOT	MA	R	33		Q	145650	25362	

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DATE	DRAWING NO.	PART NO.	CUST. CODE	TITLE	CUE	CLASS	RENDER CODE	RELEASE FOR MAJOR ITEM		REPR. IN.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY
								SERIAL	THRU		MM	YY		
	6325240			SCHEMATIC	*	U	MOT	MA	R	33		Q	149910	25284
	6325240			SCHEMATIC	*	U	MOT	MA	R	33		Q	164410	25284
	6325241			SCHEMATIC	*	U	MOT	MA	R	33		Q	160110	25318
	6325241			SCHEMATIC	*	U	MOT	MA	R	33		Q	162510	25318
	6325242			SCHEMATIC	*	U	MOT	MA	R	33		Q	150610	25297
	6325242			SCHEMATIC	*	U	MOT	MA	R	33		Q	159810	25297
	6325242			SCHEMATIC	*	U	MOT	MA	R	33		Q	162210	25297
	6325242			SCHEMATIC	*	U	MOT	MA	R	33		Q	165010	25297
	6325243			SCHEMATIC	*	U	MOT	MA	R	33		Q	153410	25374
	6325243			SCHEMATIC	*	U	MOT	MA	R	33		Q	161210	25374
	6325243			SCHEMATIC	*	U	MOT	MA	R	33		Q	162710	25374
	6325243			SCHEMATIC	*	U	MOT	MA	R	33		Q	165710	25374
	6325243			SCHEMATIC	*	U	MOT	MA	R	33		Q	166810	25347
	6325244			SCHEMATIC	*	U	MOT	MA	R	33		Q	149610	25278
	6325245			SCHEMATIC	*	U	MOT	MA	R	33		Q	150210	25287
	6325246			SCHEMATIC	*	U	MOT	MA	R	33		Q	149210	25275
	6325246			SCHEMATIC	*	U	MOT	MA	R	33		Q	164310	25275
	6325247			SCHEMATIC	*	U	MOT	MA	R	33		Q	157010	25335
	6325248			SCHEMATIC	*	U	MOT	MA	R	33		Q	154810	25281
	6325249			SCHEMATIC	*	U	MOT	MA	R	33		Q	158310	25266
	6325250			SCHEMATIC	*	U	MOT	MA	R	33		Q	151310	25328
	6325251			SCHEMATIC	*	U	MOT	MA	R	33		Q	152810	25364
	6325252			SCHEMATIC	*	U	MOT	MA	R	33		Q	156210	25325
	6325253			SCHEMATIC	*	U	MOT	MA	R	33		Q	158010	25352
	6325254			SCHEMATIC	*	U	MOT	MA	R	33		Q	155810	25322
	6325255			SCHEMATIC	*	U	MOT	MA	R	33		Q	152310	25363
	6325256			SCHEMATIC	*	U	MOT	MA	R	33		Q	160710	25360
	6325257			SCHEMATIC	*	U	MOT	MA	R	33		Q	161110	25361
	6325257			SCHEMATIC	*	U	MOT	MA	R	33		Q	162610	25361
	6325257			SCHEMATIC	*	U	MOT	MA	R	33		Q	166710	25361
	6325258			SCHEMATIC	*	U	MOT	MA	R	33		Q	165410	25350
	6325259			SCHEMATIC	*	U	MOT	MA	R	33		Q	155210	25291
	6325259			SCHEMATIC	*	U	MOT	MA	R	33		Q	159710	25291
	6325259			SCHEMATIC	*	U	MOT	MA	R	33		Q	162110	25291
	6325259			SCHEMATIC	*	U	MOT	MA	R	33		Q	164610	25291
	6325259			SCHEMATIC	*	U	MOT	MA	R	33		Q	166410	25291
	6325260			SCHEMATIC	*	U	MOT	MA	R	33		Q	161810	25288
	6325260			SCHEMATIC	*	U	MOT	MA	R	33		Q	164510	25288
	6325260			SCHEMATIC	*	U	MOT	MA	R	33		Q	166310	25288
	6325261			SCHEMATIC	*	U	MOT	MA	R	33		Q	157410	25341

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REV	DRAWING NO.	PART NO.	REV	TITLE	CAT	CLASS	TERMS CODE	RELEASE FOR		STEP	REV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	1
								SERIAL	THRU SER.			NO.	YY.			
	6325262			SCHEMATIC	*	U	MOT	MA	R	33				O	153210	25365
	6325263			SCHEMATIC	*	U	MOT	MA	R	33				O	151710	25338
	6325354			SCHEMATIC	*	U	MOT	MA	R	33				O	153910	25384
	6325356			SCHEMATIC	*	U	MOT	MA	R	33				O	164910	25294
	6325357			SCHEMATIC	*	U	MOT	MA	R	33				O	156810	25332
	6420882	B		PLATE TUNED CAVITY	*	U	MOT	MA	R	33				O		
B	6420291	A		PLATE END TUNED CAVT	U	MOT	MA	R		33	07	62		C	115500	0120310
B	6420291	A		PLATE END TUNED CAVT	U	MOT	MA	R		33	07	62		C	118800	0122726
C	6420882	B		PLATE TUNED CAVITY	U	MOT	MA	R		33	07	62		C	115600	0120310
C	6420882	B		PLATE TUNED CAVITY	U	MOT	MA	R		33	07	62		C	118900	0122726
	6922594			LOGIC DRAWING	*	U	MOT	MA	R	33				O	147850	4600307
	6922594			LOGIC DRAWING	*	U	MOT	MA	R	33				O	163110	4600311
	6925266			LOGIC DRAWING	*	U	MOT	MA	R	33				O	158750	4600310
B	7420278	A		FORM COIL	U	MOT	MA	R		33	07	62		C	121600	0120123
B	7420838	B		FORM COIL	U	MOT	MA	R		33	07	62		C	111400	7720835
B	7422752	A		FORM COIL X16	U	MOT	MA	R		33	07	62		C	120200	0120177
B	7720835	B		TUNING ASSY	U	MOT	MA	R		33	07	62		C	111300	0120170
	6141500	3		RIB	U	RAN	MA	R		33				O	129300	4300194
	6141500	4		TUNING BLOCK	U	RAN	MA	R		33				O	129400	4300194
	6141501	5		RESONATOR	U	RAN	MA	R		33				O	129500	4300194
	6141502	7		DISPLAY FILTER FL204	U	RAN	MA	R		33				O	129600	4300194
	6141502	5		FILTER HOUSING	U	RAN	MA	R		33				O	129700	4300194
	6141502	6		COVER	U	RAN	MA	R		33				O	129800	4300194
	6141502	2		TEFLON SUPPORT	U	RAN	MA	R		33				O	129900	4300194
	6141504	7		FILTER ASSY FL204	U	RAN	MA	R		33				O	130000	4300194
	6141504	1		DIELECTRIC SUPPORT	U	RAN	MA	R		33				O	130100	4300194
	6141504	2		ANT COUPLING ASSY	U	RAN	MA	R		33				O	130200	4300194
	6141504	3		SET SCREW	U	RAN	MA	R		33				O	130300	4300194
	6141504	4		SUPPORT ROD	U	RAN	MA	R		33				O	130400	4300194
	6141504	5		RESONATOR SHAFT	U	RAN	MA	R		33				O	130500	4300194
	6141504	6		SUPPORT NUT	U	RAN	MA	R		33				O	130600	4300194
	6151002	2		CD ANTENNA CPLR 2A15	U	RAN	MA	R		33				O	006200	4100306
A	6151002	3		EXTENSION	*	U	RAN	MA	R	33				O		
A	6151002	4		CENTER CONDUCTOR ASY	*	U	RAN	MA	R	33				O		
A	6151002	5		SCREW CONN LOCK	*	U	RAN	MA	R	33				O		
B	6151002	6		MOUNTING PLATE	*	U	RAN	MA	R	33				O		

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								SERIAL	THRU SER.			NO.	YY.			
A	6151002	7		SCREW MODIF	*	U	RAN	MA	R	33				O		
A	6151002	8		INSULATING SPACER	*	U	RAN	MA	R	33				O		
A	6151002	9		SPACER	*	U	RAN	MA	R	33				O		
A	6151003	0		EXTENSION	*	U	RAN	MA	R	33				O		
B	6151003	1		INSULATING SPACER	*	U	RAN	MA	R	33				O		
B	6151003	3		INSULATING SPACER	*	U	RAN	MA	R	33				O		
B	6151003	4		INSULATING SPACER	*	U	RAN	MA	R	33				O		
B	6151003	5		INSULATING SPACER	*	U	RAN	MA	R	33				O		
B	6151003	6		RESISTOR HOLDER	*	U	RAN	MA	R	33				O		
B	6151003	7		RESISTOR ASSY	*	U	RAN	MA	R	33				O		
B	6151003	8		CONNECTOR	*	U	RAN	MA	R	33				O		
B	6151003	9		INNER CONDUCTOR	*	U	RAN	MA	R	33				O		
B	6151004	0		INNER CONDUCTOR	*	U	RAN	MA	R	33				O		
C	6151004	1		COUPLER HOUSING	*	U	RAN	MA	R	33				O		
A	6151004	2		BEAD	*	U	RAN	MA	R	33				O		
A	6151004	3		SLEEVE	*	U	RAN	MA	R	33				O		
A	6160500	3		INSULATOR	*	U	RAN	MA	R	33				O		
A	6160500	0		CIRC & POWER MONITOR	*	U	RAN	MA	R	33				O		
D	6160501	4		HOUSING LOWER	*	U	RAN	MA	R	33				O		
D	6160501	3		HOUSING UPPER	*	U	RAN	MA	R	33				O		
C	6160501	7-2		HOUSING	*	U	RAN	MA	R	33				O		
C	6160501	9		BRACKET	*	U	RAN	MA	R	33				O		
C	6160501	5		CONNECTOR	*	U	RAN	MA	R	33				O		
C	6160501	8		BRACKET SUPPORT	*	U	RAN	MA	R	33				O		
C	6160501	6		CONNECTR SPEC TYPE N	*	U	RAN	MA	R	33				O		
C	6160501	7-1		HOUSING	*	U	RAN	MA	R	33				O		
D	6160501	4		HOUSING LOWER	*	U	RAN	MA	R	33				O		
C	6160502	2		SPIDER	*	U	RAN	MA	R	33				O		
B	6160502	9		SPACER	*	U	RAN	MA	R	33				O		
C	6160502	3		RESISTOR HOUSING	*	U	RAN	MA	R	33				O		
B	6160502	8		SPACER	*	U	RAN	MA	R	33				O		
C	6160502	1		MOUNTING BRACKET	*	U	RAN	MA	R	33				O		
C	6160502	0		MOUNTING BRACKET	*	U	RAN	MA	R	33				O		
B	6160502	5		MAGNET	*	U	RAN	MA	R	33				O		
B	6160502	4		FERRITE	*	U	RAN	MA	R	33				O		
B	6160502	6		POLE PIECE	*	U	RAN	MA	R	33				O		
A	6160503	4		LOAD SUBASSY	*	U	RAN	MA	R	33				O		
A	6160503	2		CENTER CONDUCTOR	*	U	RAN	MA	R	33				O		
B	6160503	9		TUBE ASSY	*	U	RAN	MA	R	33				O		
B	6160503	8		FLANGE	*	U	RAN	MA	R	33				O		

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							APPROVAL	THRU		MO	YR.		
A	6160503	7		TUBE	*	U RAN	MA	R	33			O	
A	6160503	5		RESISTOR HOLDER	*	U RAN	MA	R	33			O	
A	6160503	1		PLATE	*	U RAN	MA	R	33			O	
A	6160503	6		BEAD	*	U RAN	MA	R	33			O	
A	6160503	0		LOCKING NUT	*	U RAN	MA	R	33			O	
A	6160503	3		SUPPORT	*	U RAN	MA	R	33			O	
A	6160504	6		DIODE	*	U RAN	MA	R	33			O	
B	6160504	4		INNER CONDUCTOR	*	U RAN	MA	R	33			O	
A	6160504	0		INSULATOR	*	U RAN	MA	R	33			O	
A	6160504	1		INSULATOR	*	U RAN	MA	R	33			O	
A	6160504	3		INNER CONDUCTOR	*	U RAN	MA	R	33			O	
D	6160504	9		COUPLER HOUSING	*	U RAN	MA	R	33			O	
A	6160504	2		PLATE	*	U RAN	MA	R	33			O	
D	6160504	8		HOUSING MACH	*	U RAN	MA	R	33			O	
C	6160504	7		COVER	*	U RAN	MA	R	33			O	
A	6160505	9		LOAD ASSY	*	U RAN	MA	R	33			O	
C	6160505	0		SPIDER ASSY	*	U RAN	MA	R	33			O	
C	6160505	7		COVER	*	U RAN	MA	R	33			O	
A	6160505	8		TUNING SCREW	*	U RAN	MA	R	33			O	
B	6160506	5		COUPLER SUB-ASSY	*	U RAN	MA	R	33			O	
A	6160506	7		SPACER	*	U RAN	MA	R	33			O	
C	6160506	6		DIRECTIONAL CPLR ASSY	*	U RAN	MA	R	33			O	
A	6160506	9		SCREW MODIF	*	U RAN	MA	R	33			O	
B	6160508	7		POLE PIECE	*	U RAN	MA	R	33			O	
B	6160508	8		SHUNT	*	U RAN	MA	R	33			O	
B	6160509	1		CIRC & PWR MON SCHEM	*	U RAN	MA	R	33			O	
B	6160510	7		CONTACT ASSY	*	U RAN	MA	R	33			O	
B	6160510	6		CONTACT PLATE	*	U RAN	MA	R	33			O	
A	6160510	5		CRYSTAL SLIP	*	U RAN	MA	R	33			O	
A	6160510	3		CUP	*	U RAN	MA	R	33			O	
A	6160510	4		CONTACT PLATE	*	U RAN	MA	R	33			O	
A	6160512	5		INSULATION	*	U RAN	MA	R	33			O	
A	6160512	8		CRYSTAL CAP	*	U RAN	MA	R	33			O	
B	6160512	7-1		MONITOR PROBE ASSY	*	U RAN	MA	R	33			O	
A	6160513	4		HOLDER	*	U RAN	MA	R	33			O	
A	6160513	3		RESISTOR HOLDER	*	U RAN	MA	R	33			O	
B	6160513	0		CONNECTOR	*	U RAN	MA	R	33			O	
B	6160513	1		TERMINAL BOARD MODIF	*	U RAN	MA	R	33			O	

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REV	DRAWING NO.	REV	REV	TITLE	QTY	QTY	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION	REVISION
B	449101			PCB SW MODULE UPPER	U	TI	MA	R		33		0	172100	449104	
C	449102			SWITCH HIGH LEVEL	U	TI	MA	R		33		0	174200	457763	
B	449103			PCB LO LEVEL SWITCH	U	TI	MA	R		33		0	172200	449104	
C	449104			SWITCH LOW LEVEL	U	TI	MA	R		33		0	172000	457789	
C	449104			SWITCH LOW LEVEL	U	TI	MA	R		33		0	179800	460073	
B	457738		A	GROMMET TEFLON #1	U	TI	MA	R		33		0	175000	457782	
B	457739		A	GROMMET TEFLON #2	U	TI	MA	R		33		0	172300	449104	
B	457740		A	INSULATION SH ELECT	U	TI	MA	R		33		0	172400	449104	
B	457740		A	INSULATION SH ELECT	U	TI	MA	R		33		0	175100	457782	
C	457744		A	SHIELD SWITCH	U	TI	MA	R		33		0	172500	449104	
C	457744		A	SHIELD SWITCH	U	TI	MA	R		33		0	175200	457782	
F	457762			PCB DECKS C&D	U	TI	MA	R		33		0	174300	457763	
D	457763			SOLID STATE DKS C&D	U	TI	MA	R		33		0	174100	460805	
F	457768			PCB DECKS A&B	U	TI	MA	R		33		0	175800	457769	
D	457769			SOLID STATE DKS A&B	U	TI	MA	R		33		0	175700	460805	
B	457770			SCHEM SW LOW LEVEL	U	TI	MA	R		33		0	172600	449104	
B	457775			PCB UNIV BISTABLE #1	U	TI	MA	R		33		0	174500	457777	
B	457776			PCB UNIV BISTABLE #2	U	TI	MA	R		33		0	174600	457777	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MA	R		33		0	174400	457763	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MA	R		33		0	175900	457769	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MA	R		33		0	176700	460023	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MA	R		33		0	177100	460025	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MA	R		33		0	173000	460037	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MA	R		33		0	178400	460049	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MA	R		33		0	179900	460073	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MA	R		33		0	169900	460892	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MA	R		33		0	170300	460894	
C	457778			SCHEM UNIV BISTABLE	U	TI	MA	R		33		0	174700	457777	
C	457779			SCHEM HI SPD BINARY	U	TI	MA	R		33		0	174800	457777	
B	457780			PCB SW FLIP FLOP LO	U	TI	MA	R		33		0	175300	457782	
B	457781			PCB SW FLIP FLOP UP	U	TI	MA	R		33		0	175400	457782	
C	457782			SWITCH FLIP FLOP	U	TI	MA	R		33		0	174900	457763	
C	457782			SWITCH FLIP FLOP	U	TI	MA	R		33		0	176000	457769	
C	457782			SWITCH FLIP FLOP	U	TI	MA	R		33		0	179000	460899	
C	457783			SCHEM SW FLIP FLOP	U	TI	MA	R		33		0	175500	457782	
F	457788			PCB DECKS E&F	U	TI	MA	R		33		0	172700	457789	
D	457789			LO LEVEL SWS DKS E&F	U	TI	MA	R		33		0	171900	460806	
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**DRAWING LIST**

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REV	DRAWING NO.	DATE	REV	TITLE	C	CLASS	NUMBER	RELEASE FOR		REV	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								REVISION	THIRD REV.		NO.	YR.			
R	457790			SCHEM LO SPEED CTR	U	TI	MA R			33			0	172800	457789
R	457790			SCHEM LO SPEED CTR	U	TI	MA R			33			0	173100	460037
F	457795			PCB AMPL LOW BAND	U	TI	MA R			33			0	171000	457796
D	457796			AMPLIFIERS LOW LEVEL	U	TI	MA R			33			0	170900	460807
R	457797			SCHEM AMPLS&SIG COND	U	TI	MA R			33			0	171100	457796
R	457797			SCHEM AMPLS&SIG COND	U	TI	MA R			33			0	171300	460083
B	460005			PCB MATRIX PN GEN LO	U	TI	MA R			33			0	180100	460007
B	460006			PCB MATRIX PN GEN UP	U	TI	MA R			33			0	180200	460007
C	460007			MATRIX PN GENERATOR	U	TI	MA R			33			0	180000	460073
C	460008			SCHEM MATRIX PN GEN	U	TI	MA R			33			0	180300	460007
B	460009			PCB LO SPEED CTR LOW	U	TI	MA R			33			0	173300	460011
B	460010			PCB LO SPEED CTR UP	U	TI	MA R			33			0	173400	460011
C	460011			MATRIX LO SPEED CTR	U	TI	MA R			33			0	173200	460037
C	460012			SCHEM LO SPEED CTR	U	TI	MA R			33			0	173500	460011
F	460022			PCB BLIP REGISTER #1	U	TI	MA R			33			0	176800	460023
D	460023			BLIP REGISTER #1	U	TI	MA R			33			0	176900	460803
F	460024			PCB BLIP REGISTER #2	U	TI	MA R			33			0	177200	460025
D	460025			BLIP REGISTER #2	U	TI	MA R			33			0	177000	460803
R	460026			SCHEM BLIP REGISTER	U	TI	MA R			33			0	176900	460023
R	460026			SCHEM BLIP REGISTER	U	TI	MA R			33			0	177300	460025
F	460027			PCB BUCKING PWR SUP	U	TI	MA R			33			0	181300	460028
D	460028			BUCKING POWER SUPPLY	U	TI	MA R			33			0	181200	460804
R	460029			SCHEM POWER SUPPLY	U	TI	MA R			33			0	181400	460028
F	460036			PCB LO SPEED COUNTER	U	TI	MA R			33			0	173600	460037
D	460037			LOW SPEED COUNTER	U	TI	MA R			33			0	172900	460806
C	460046			MONOSTABLE FLIP FLOP	U	TI	MA R			33			0	178500	460049
F	460048			PCB MASTER COUNTER	U	TI	MA R			33			0	178600	460049
D	460049			COUNTER MASTER	U	TI	MA R			33			0	178300	460802
R	460061			SCHEM MA CTR&XFR REG	U	TI	MA R			33			0	178700	460049
R	460061			SCHEM MA CTR&XFR REG	U	TI	MA R			33			0	179100	460839
R	460062			SCHEM DECKS A&B C&D	U	TI	MA R			33			0	175600	457763
R	460062			SCHEM DECKS A&B C&D	U	TI	MA R			33			0	176100	457769
B	460069			HEAT SINK PWR SUPPLY	U	TI	MA R			33			0	181500	460804
F	460072			PCB PN GENERATOR	U	TI	MA R			33			0	180400	460073
D	460073			PN GEN/FREQ&MOD CKTY	U	TI	MA R			33			0	179700	460801
R	460074			SCHEM PN GENERATOR	U	TI	MA R			33			0	180500	460073
F	460075			PCB POWER SUPPLY	U	TI	MA R			33			0	181700	460076
D	460076			POWER SUPPLY	U	TI	MA R			33			0	181600	460804
F	460082			PCB COMP ISOL AMPL	U	TI	MA R			33			0	171400	460083
D	460083			COMPARATOR ISOL AMPL	U	TI	MA R			33			0	171200	460807

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REV	DRAWING NO.	DATE	REV	TITLE	C	CLASS	NUMBER	RELEASE FOR		REV	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								REVISION	THIRD REV.		NO.	YR.			
D	460084			SUBCHAS SINGLE CONN	U	TI	MA R			33			0	169400	460800
D	460084			SUBCHAS SINGLE CONN	U	TI	MA R			33			0	180600	460801
D	460084			SUBCHAS SINGLE CONN	U	TI	MA R			33			0	178800	460802
D	460085			SUBCHAS DOUBLE CONN	U	TI	MA R			33			0	177400	460803
D	460085			SUBCHAS DOUBLE CONN	U	TI	MA R			33			0	176200	460805
D	460085			SUBCHAS DOUBLE CONN	U	TI	MA R			33			0	173700	460806
D	460085			SUBCHAS DOUBLE CONN	U	TI	MA R			33			0	171500	460807
D	460086			SUBCHAS POWER SUPPLY	U	TI	MA R			33			0	181800	460804
A	460800			ANALOG-TO-DIGIT CONV	U	TI	MA R			33			0	169300	4600322
A	460801			PN GEN FREQ&MOD CKTY	U	TI	MA R			33			0	179600	4600328
A	460802			TRANSFER REGISTER	U	TI	MA R			33			0	178200	4600327
A	460803			BLIP REGISTERS	U	TI	MA R			33			0	176500	4600326
A	460804			POWER SUPPLY	U	TI	MA R			33			0	181100	4600329
A	460805			SOLID STATE DKS ABCD	U	TI	MA R			33			0	174000	4600325
A	460806			SOLID STATE DKS E&F	U	TI	MA R			33			0	171800	4600324
A	460807			AMPLIFIERS	U	TI	MA R			33			0	170800	4600323
C	460817			MARKING POWER SUPPLY	U	TI	MA R			33			0	181900	460086
C	460818			MARKING PN GENERATOR	U	TI	MA R			33			0	169500	460084
C	460819			MARKING BLIP REGS	U	TI	MA R			33			0	177500	460085
C	460820			MARKING TRANSFER REG	U	TI	MA R			33			0	169600	460084
C	460821			MARKING DECKS ABCD	U	TI	MA R			33			0	177600	460085
C	460822			MARKING DECKS E&F	U	TI	MA R			33			0	177700	460085
C	460823			MARKING AMPLIFIERS	U	TI	MA R			33			0	177800	460085
C	460824			MARKING CONVERTERS	U	TI	MA R			33			0	169700	460084
F	460891			PCB COMPARATOR	U	TI	MA R			33			0	170000	460892
D	460892			COMPARATOR & INTEGRA	U	TI	MA R			33			0	169800	460800
F	460893			PCB DECODER	U	TI	MA R			33			0	170400	460894
D	460894			DECODER	U	TI	MA R			33			0	170200	460800
R	460895			SCHEM CONVERTER	U	TI	MA R			33			0	170100	460892
R	460895			SCHEM CONVERTER	U	TI	MA R			33			0	170500	460894
D	460897			BIPHASE MODULATOR	U	TI	MA R			33			0	180700	460801
F	460898			PCB TRANSFER REGIS	U	TI	MA R			33			0	179200	460839
D	460899			TRANSFER REGISTER	U	TI	MA R			33			0	178900	460802
A	461701			WIRING LIST BLIP REG	U	TI	MA R			33			0	177900	460803
A	461702			WIRING LIST CONVERT	U	TI	MA R			33			0	170600	460800
A	461703			WIRING LIST PN GEN	U	TI	MA R			33			0	180600	460801
A	461704			WIRING LIST TRAN REG	U	TI	MA R			33			0	179300	460802
A	461705			WIRING LIST PWR SUP	U	TI	MA R			33			0	182000	460804
A	461706			WIRING LIST DKS ABCD	U	TI	MA R			33			0	176300	460805
A	461707			WIRING LIST DKS E&F	U	TI	MA R			33			0	173800	460806

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DRAWING LIST													NEXT ASSEMBLY	
REV	DRAWING NO.	REV NO.	REV DATE	TITLE	CHK	CLASS	REVISION CODE	REVISION DATE	REVISION BY	DRAWING APPROVAL STATUS	DATE	BY	DATE	BY
A	1912014			CONTAINER REINF	*	U	ESB	MA	R	34	0	143020	2012014	
A	1912014			CONTAINER REINF	*	U	ESB	MA	R	34	0	143048	2012015	
B	2001067			BOX INTERIOR	*	U	ESB	MA	R	34	0	143012	2001069	
B	2001068			BOX EXTERIOR	*	U	ESB	MA	R	34	0	143014	2001069	
D	2001069			PACKAGING BATTERY	*	U	ESB	MA	R	34	0	143010	2011000	
E	2011000			BATTERY ASSY	*	U	ESB	MA	R	34	0	142850	4400200	
C	2012001			POS & NEG ASSY	*	U	ESB	MA	R	34	0	143022	2012014	
C	2012001			POS & NEG ASSY	*	U	ESB	MA	R	34	0	143050	2012015	
B	2012002			POSITIVE PLATE	*	U	ESB	MA	R	34	0	143024	2012001	
B	2012002			POSITIVE PLATE	*	U	ESB	MA	R	34	0	143052	2012001	
B	2012003			NEGATIVE ASSY	*	U	ESB	MA	R	34	0	143026	2012001	
B	2012003			NEGATIVE ASSY	*	U	ESB	MA	R	34	0	143054	2012001	
B	2012004			GRID ASSY NEGATIVE	*	U	ESB	MA	R	34	0	143028	2012003	
B	2012004			GRID ASSY NEGATIVE	*	U	ESB	MA	R	34	0	143056	2012003	
A	2012005			SEPARATOR POSITIVE	*	U	ESB	MA	R	34	0	143060	2012001	
A	2012005			SEPARATOR POSITIVE	*	U	ESB	MA	R	34	0	143032	2012001	
A	2012006			RETAINER	*	U	ESB	MA	R	34	0	143058	2012003	
A	2012006			RETAINER	*	U	ESB	MA	R	34	0	143030	2012003	
C	2012007			CONTAINERS	*	U	ESB	MA	R	34	0	143062	2012015	
C	2012007			CONTAINERS	*	U	ESB	MA	R	34	0	143034	2012014	
C	2012008			WIRING DIAGRAM	*	U	ESB	MA	R	34	0	143016	2011000	
C	2012009			HEAT TRANSFER	*	U	ESB	MA	R	34	0	143064	2012015	
B	2012009			HEAT TRANSFER	*	U	ESB	MA	R	34	0	143036	2012014	
B	2012010			POTTING CHANNEL	*	U	ESB	MA	R	34	0	143066	2012015	
B	2012010			POTTING CHANNEL	*	U	ESB	MA	R	34	0	143038	2012014	
B	2012011			POTTING CHANNEL	*	U	ESB	MA	R	34	0	143068	2012015	
B	2012011			POTTING CHANNEL	*	U	ESB	MA	R	34	0	143040	2012014	
B	2012012			5 CELL COVER	*	U	ESB	MA	R	34	0	143070	2012015	
B	2012012			5 CELL COVER	*	U	ESB	MA	R	34	0	143042	2012014	
B	2012013			4 CELL COVER	*	U	ESB	MA	R	34	0	143072	2012015	
B	2012013			4 CELL COVER	*	U	ESB	MA	R	34	0	143044	2012014	
D	2012014			MONOBLOCK POSITIVE	*	U	ESB	MA	R	34	0	143018	2011000	
D	2012015			MONOBLOCK NEGATIVE	*	U	ESB	MA	R	34	0	143046	2011000	
A	2012016			TRANSDUCER PANEL	*	U	ESB	MA	R	34	0	143076	2012019	
A	2012017			TERMINAL BOARD	*	U	ESB	MA	R	34	0	143078	2012019	
A	2012018			TERMINAL ASSY	*	U	ESB	MA	R	34	0	143080	2012019	
A	2012019			TRANSDUCER ASSY	*	U	ESB	MA	R	34	0	143074	2011000	
B	2012020			STAMPS MARINER R	*	U	ESB	MA	R	34	0	143082	2011000	

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SIZE	DRAWING NO.	BATCH NO.	REV. LVL.	TITLE	REV.	CLASS	VENOR CODE	RELEASE FOR MAJOR ITEM		REF. DIV.	RELEASE DATE		DRAWING CONTROL STATUS		NEXT ASSEMBLY	S
								SERIAL	THIRD REV.		NO.	YY.				
B	90119			INSERT HELI COIL		U	JPL	MA	R	34	06	62	J		050500	4200849
1	104208		A	SERVO ACTUATOR SCHEM	*	U	JPL	MR	62	34	09	60	J			
D	106101		D	AUTOPILOT SCHEMATIC	*	U	JPL	MR	62	34	05	62	J		106100	
D	106105		A	SUBCHASSIS AUTOPILOT	*	U	JPL	MR	62	34	10	61	J		106100	
B	106106		A	SLEEVE INSULATOR	*	U	JPL	MR	62	34	01	62	J		4200300	
B	106106		A	SLEEVE INSULATOR	*	U	JPL	MR	62	34	01	62	J		106100	
B	106107		A	WASHER INSULATOR	*	U	JPL	MR	62	34	01	62	J		4200300	
B	106107		A	WASHER INSULATOR	*	U	JPL	MR	62	34	01	62	J		106100	
D	106120		B	SPACER ANTENNA & PHP	*	U	JPL	MR	62	34	12	61	J		106119	
2	106124		B	GUIDE ANTENNA & PHP	*	U	JPL	MR	62	34	12	61	J		106119	
D	106125		C	CAP-SEAL ANT & PHP	*	U	JPL	MR	62	34	01	62	J		106110	
D	106125		C	CAP-SEAL ANT & PHP	*	U	JPL	MR	62	34	01	62	J		106130	
D	106126		B	INSULATION ANT & PHP	*	U	JPL	MR	62	34	12	61	J		106110	
D	106126		B	INSULATION ANT & PHP	*	U	JPL	MR	62	34	12	61	J		106130	
5	106304		C	BATTERY SCHEMATIC	*	U	JPL	MA	R	34	06	62	J		142875	2011000
C	3151095		D	GEAR COMPOUND ASSY		U	JPL	MA	R	34	10	61	J		044100	4200600
C	3151096		C	GEAR SPUR ANT DRIVE		U	JPL	MA	R	34	10	61	J		044200	3151095
C	3151097		C	GEAR HELICAL R.H.		U	JPL	MA	R	34	10	61	J		044300	3151095
C	3151098		E	GEAR HELICAL ANT DR		U	JPL	MA	R	34	10	61	J		044400	4200600
B	3151102		A	POTENTIOMETER GEAR		U	JPL	MA	R	34	10	61	J		044500	4200600
D	3151105		D	PINION FINAL DRIVE	*	U	JPL	MA	R	34	12	62	J		044600	4200600
C	3151106		D	WORM SHAFT ANT DRIVE		U	JPL	MA	R	34	10	61	J		044700	4200600
C	3151107		D	WORM SHAFT ANT DRIVE		U	JPL	MA	R	34	10	61	J		044800	4200600
B	3151110		C	GEAR SPUR ANT DRIVE		U	JPL	MA	R	34	10	61	J		044900	4200600
B	3151111		A	GEAR SPUR		U	JPL	MA	R	34	10	61	J		045000	4200600
B	3151115		A	RETAINER BEARING ANT		U	JPL	MA	R	34	10	61	J		045100	4200600
B	3151116		A	RETAINER BEARING ANT		U	JPL	MA	R	34	10	61	J		045200	4200600
J	3151118		F	HOUSING GEAR ASSY		U	JPL	MA	R	34	10	61	J		013100	4100384
B	3151119		C	SHAFT WORM GEAR ANT		U	JPL	MA	R	34	10	61	J		045300	4200600
C	3151122		C	GEAR SPUR ANT DRIVE		U	JPL	MA	R	34	10	61	J		045400	4200600
B	3151125		B	SPACER ANTENNA DRIVE		U	JPL	MA	R	34	10	61	J		045500	4200600
B	3151126		A	BUSHING ANT DRIVE		U	JPL	MA	R	34	10	61	J		045600	4200600
C	3151138		D	DRIVE ANTENNA SCHEM		U	JPL	MA	R	34	08	62	J		045700	4200600
J	3151749		C	PLATE GEAR ANTENNA	*	U	JPL	MA	R	34	12	62	J		045800	4200600
D	3151751		B	GEAR ANTI-BACKLASH		U	JPL	MA	R	34	10	61	J		045900	4200600
B	3151753		A	SERVO MTR GEAR TRAIN	*	U	JPL	MA	R	34	12	62	J		046000	4200600
D	3152416		A	HOUSING SUN SENSOR	*	U	JPL	MA	R	34	12	62	J		008100	3172584
B	3152417			COVER		U	JPL	MA	R	34	06	60	J		002400	4200673

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								MAJOR ITEM	SERIAL		THIRD REV.	NO.			
B	3152417			COVER	*	U	JPL	MA	R	34	06	60	J	008200	3172584
C	3152423		B	TB SECOND SON SENSOR	*	U	JPL	MA	R	34	12	62	J	003100	4200673
C	3152423		B	TB SECOND SUN SENSOR	*	U	JPL	MA	R	34	12	62	J	008900	3172584
B	3152424		B	MASK SUN SENSOR 15	*	U	JPL	MA	R	34	12	62	J	008400	3172586
B	3152424		B	MASK SUN SENSOR	*	U	JPL	MA	R	34	12	62	J	003220	3172586
B	3152425		B	MASK FLAT SUN SENSOR	*	U	JPL	MA	R	34	12	62	J	003240	3172588
D	3152426		A	HOUSING SUN SENSOR	*	U	JPL	MA	R	34	12	62	J	003200	4200673
B	3152485		B	MASK SUN SENSOR 40	*	U	JPL	MA	R	34	12	62	J	008600	3172587
B	3152485		B	MASK SUN SENSOR 40	*	U	JPL	MA	R	34	12	62	J	008800	3172589
B	3152485		B	MASK SUN SENSOR 40	*	U	JPL	MA	R	34	12	62	J	003260	3172590
B	3152543		C	TRANSFORMER		U	JPL	MA	R	34	10	61	J	187200	4400053
B	3152616		D	TM1 TRANSFLUXOR		U	JPL	MA	R	34	09	62	J	102210	4200538
B	3152616		D	TM1 TRANSFLUXOR		U	JPL	MA	R	34	09	62	J	103110	4200573
B	3152616		D	TM1 TRANSFLUXOR		U	JPL	MA	R	34	09	62	J	103210	4200573
B	3152617		D	TM2 TRANSFLUXOR		U	JPL	MA	R	34	09	62	J	102215	4200538
B	3152617		D	TM2 TRANSFLUXOR		U	JPL	MA	R	34	09	62	J	103120	4200573
B	3152617		D	TM2 TRANSFLUXOR		U	JPL	MA	R	34	09	62	J	103215	4200573
C	3158594		C	CLAMP		U	JPL	MA	R	34	02	61	J	083300	4200033
D	3158596		C	HOLDER MAGNETIC CORE		U	JPL	MA	R	34	09	62	J	089300	4200501
D	3158596		C	HOLDER MAGNETIC CORE		U	JPL	MA	R	34	09	62	J	089900	4200502
D	3158596		C	HOLDER MAGNETIC CORE		U	JPL	MA	R	34	09	62	J	091900	4200512
D	3158596		C	HOLDER MAGNETIC CORE		U	JPL	MA	R	34	09	62	J	093900	4200522
D	3158596		C	HOLDER MAGNETIC CORE		U	JPL	MA	R	34	09	62	J	102300	4200538
B	3158918		A	BRACKET CRYST MOUNT		U	JPL	MA	R	34	08	62	J	091200	4200511
B	3158919		C	CRYSTAL	*	U	JPL	MA	R	34	12	62	J	091210	4200511
C	3158929		A	STRAP RELAY CC&S		U	JPL	MA	R	34	02	61	J	101800	4200573
B	3158938		A	STRAP RELAY		U	JPL	MA	R	34	08	62	J	092800	4200523
C	3158989		A	STRAP RELAY		U	JPL	MA	R	34	08	62	J	088700	4200503
C	3172585		B	SENSOR SUN	*	U	JPL	MA	R	34	12	62	J	008000	4100525
B	3172586		B	CELL B E H&K CELLS	*	U	JPL	MA	R	34	12	62	J	003210	4200673
B	3172586		B	CELL B E H&K CELLS	*	U	JPL	MA	R	34	12	62	J	008300	3172584
B	3172587		B	CELL I CELL ASSEMBLY	*	U	JPL	MA	R	34	12	62	J	008500	3172584
B	3172588		B	CELL-FLAT D CELL	*	U	JPL	MA	R	34	12	62	J	003230	4200673
B	3172589		B	CELL J CELL ASSEMBLY	*	U	JPL	MA	R	34	12	62	J	008700	3172584
B	3172590		B	CELL C CELL ASSEMBLY	*	U	JPL	MA	R	34	12	62	J	003250	4200673
B	4100444			TUBE PIVOT ARM SUPP		U	JPL	MA	R	34	05	62	J	032400	4100443
B	4100502			STRUT MCPU		U	JPL	MA	R	34	05	62	J	014900	4100501
C	4100503			JOINT MCPU		U	JPL	MA	R	34	05	62	J	015000	4100501
C	4100504			FOOT MCPU		U	JPL	MA	R	34	05	62	J	015100	4100501
D	4200003		B	SUPPORT PAOTO CELL	*	U	JPL	MA	R	34	09	62	J	040300	4200002

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									MAJOR ITEM				CONTROL						
C	4200004		A	SHIELD LIGHT # 1	*	U	JPL	MA	R		34	10	62	J		040400	4200002		
C	4200005		A	SHIELD LIGHT # 2	*	U	JPL	MA	R		34	10	62	J		040500	4200002		
D	4200006		B	TB ASSY		U	JPL	MA	R		34	08	62	J		040600	4200002		
D	4200006		B	TB ASSY		U	JPL	MA	R		34	07	62	J		046700	4200006		
D	4200025		B	SCHEMATIC		U	JPL	MA	R		34	08	62	J		083400	4200033		
A	4200028		A	VALVE STEM	*	U	JPL	MA	R		34	11	61	J		011020	3151960		
J	4200034		B	CB		U	JPL	MA	R		34	08	62	J		083700	4200033		
D	4200035		A	ART WORK CB1		U	JPL	MA	R		34	08	62	J		083900	4200034		
D	4200036		A	CB		U	JPL	MA	R		34	09	62	J		084000	4200033		
D	4200037		A	ART WORK CB2		U	JPL	MA	R		34	09	62	J		083600	4200029		
J	4200038		B	SUBCHASSIS		U	JPL	MA	R		34	08	62	J		084100	4200033		
D	4200042		B	PLATE RETAINER		U	JPL	MA	R		34	09	62	J		040700	4200002		
D	4200044		A	SHELL NITROGEN TANK	*	U	JPL	MA	R		34	11	62	J		041010	4200586		
D	4200045		D	SCHEMATIC DIA		U	JPL	MA	R		34	08	62	J		085200	4200048		
D	4200045		D	SCHEMATIC DIA		U	JPL	MA	R		34	08	62	J		084900	4200052		
B	4200046		B	TRANSFORMER		U	JPL	MA	R		34	07	62	J		085000	4200053		
D	4200048		A	CB1		U	JPL	MA	R		34	09	62	J		085100	4200053		
D	4200049		A	CB2		U	JPL	MA	R		34	08	62	J		085400	4200053		
D	4200050		C	PC TB 1		U	JPL	MA	R		34	02	62	J		085300	4200048		
J	4200051		D	PC TB2		U	JPL	MA	R		34	02	62	J		085600	4200049		
D	4200052		C	SUBCHASSIS ASSY		U	JPL	MA	R		34	05	62	J		085800	4200053		
D	4200053		B	CELEST RELAYS TA19		U	JPL	MA	R		34	08	62	J		084400	4900501		
D	4200138			HOLDER ASSY MANEUVER		U	JPL	MA	R		34	05	62	J		093200	4200521		
C	4200168			RELAY STRAP		U	JPL	MA	R		34	05	62	J		088800	4200503		
C	4200168			RELAY STRAP		U	JPL	MA	R		34	05	62	J		094700	4200533		
B	4200263		B	XFORMER PWR CONVERTR		U	JPL	MA	R		34	06	62	J		099900	4200563		
J	4200300		D	GYRO CONT SUBASY 7A2	*	U	JPL	MA	R		34	06	62	J		086010	4900501		
J	4200301		C	SUBCHASSIS GYRO	*	U	JPL	MA	R		34	09	62	J		086016	4100300		
D	4200302		B	CAPACITOR SUBASSY 1	*	U	JPL	MA	R		34	10	62	J		086018	4200300		
D	4200303		C	CAPACITOR SUBASSY #2	*	U	JPL	MA	R		34	10	62	J		086025	4200300		
B	4200304		B	STANDOFF SPACER #1	*	U	JPL	MA	R		34	10	62	J		086026	4200300		
B	4200305		B	STANDOFF SPACER #2	*	U	JPL	MA	R		34	10	62	J		086027	4200300		
J	4200306		C	CB1 ASSY	*	U	JPL	MA	R		34	09	62	J		086030	4200300		
A	4200306	PL	C	CB1 GYRO CONTROL	*	U	JPL	MA	R		34	07	62	J		086032	4200300		
J	4200307		C	CB1 PRINTED CIRCUITY	*	U	JPL	MA	R		34	09	62	J		086034	4200300		
J	4200308		D	CB 2 ASSY	*	U	JPL	MA	R		34	10	62	J		086036	4200300		
A	4200308	PL	C	CB2 GYRO CONTROL	*	U	JPL	MA	R		34	09	62	J		086038	4200308		
J	4200309		D	CB 2 PRINTED CIRCUITY	*	U	JPL	MA	R		34	10	62	J		086040	4200308		
J	4200310		D	CB 3 ASSY	*	U	JPL	MA	R		34	10	62	J		086042	4200300		
A	4200310	PL	D	CB3 GYRO CONTROL	*	U	JPL	MA	R		34	10	62	J		086044	4200310		

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									MAJOR ITEM				CONTROL						
J	4200311		D	CB 3 PRINTED CIRCUITY	*	U	JPL	MA	R		34	10	62	J		086046	4200310		
J	4200312		D	CB4 ASSY		U	JPL	MA	R		34	10	62	J		086048	4200300		
J	4200312		D	CB4 ASSY		U	JPL	MA	R		34	10	62	J		086050	4200312		
J	4200325		C	SCHEMATIC DIA		U	JPL	MA	R		34	01	62	J		087000	4200352		
D	4200350			SWITCH AMPL SUBCHASS		U	JPL	MA	R		34	09	62	J		086500	4200351		
D	4200351		B	SW AMPL LOGIC 7A18		U	JPL	MA	R		34	02	62	J		086100	4900501		
J	4200352		B	CKT BD 1 ASSY SW AMP		U	JPL	MA	R		34	02	62	J		086600	4200351		
A	4200352	PL	B	CB1 SW AMPLFIR LOGIC		U	JPL	MA	R		34	02	62	J		087100	4200352		
J	4200353		B	CB1 PC SW AMPLG LOGIC		U	JPL	MA	R		34	02	62	J		087200	4200352		
J	4200354		B	CKT BD SW AMPL		U	JPL	MA	R		34	02	62	J		087300	4200351		
A	4200354	PL	B	CB2 SW AMPLFIR LOGIC		U	JPL	MA	R		34	02	62	J		087400	4200354		
J	4200355		A	CB2 PC SW AMPLIFIER		U	JPL	MA	R		34	09	62	J		087500	4200354		
J	4200369		A	GYRO SUBCHASSIS ASSY		U	JPL	MA	R		34	12	61	J		201400	4200368		
B	4200370			TRANSFORMER		U	JPL	MA	R		34	07	62	J		086000	4200033		
D	4200381		A	INTEGRATING GYRO ASY		U	JPL	MA	R		34	12	61	J		201600	4200368		
D	4200393		A	CONTROL GYRO SCHEM		U	JPL	MA	R		34	12	61	J		201700	4200368		
D	4200393		A	CONTROL GYRO SCHEM		U	JPL	MA	R		34	12	61	J		201900	4200394		
J	4200394		A	CB1 ATTITUDE CONT		U	JPL	MA	R		34	12	61	J		201800	4200368		
A	4200394	PL	A	CB1 ATTITUDE CONTROL		U	JPL	MA	R		34	12	61	J		202000	4200394		
J	4200395		A	PC		U	JPL	MA	R		34	12	61	J		202100	4200394		
D	4200396		B	CB2 ATTITUDE CONTROL		U	JPL	MA	R		34	01	62	J		202300	4200368		
J	4200397		B	CB2 PC ATTITUDE CONT		U	JPL	MA	R		34	01	62	J		202400	4200396		
B	4200399		A	INDUCTOR CONT GYRO		U	JPL	MA	R		34	12	61	J		202200	4200394		
D	4200405		B	CELEST RELAYS & PWR	*	U	JPL	MR	62		34	05	62	J		4900501			
J	4200408		G	SCHEMATIC LONG RANGE	*	U	JPL	MA	R		34	02	63	J		047900	4200409		
J	4200408		G	SCHEMATIC LONG RANGE	*	U	JPL	MA	R		34	02	63	J		048300	4200412		
J	4200408		G	SCHEMATIC LONG RANGE	*	U	JPL	MA	R		34	02	63	J		049200	4200417		
J	4200408		G	SCHEMATIC LONG RANGE	*	U	JPL	MA	R		34	02	63	J		047400	4200596		
J	4200409		A	CB4 PRE-AMP & PULSE	*	U	JPL	MA	R		34	02	63	J		047600	4200410		
A	4200409	PL	C	CB4 PRE-AMP & PULSE	*	U	JPL	MA	R		34	11	62	J		048000	4200409		
C	4200410		A	CB16CB4 SUBASSEMBLY		U	JPL	MA	R		34	03	62	J		047500	4200596		
J	4200411			CB4 PC PREAMP & PULS		U	JPL	MA	R		34	01	62	J		048100	4200409		
J	4200412		A	CB1 HIGH VOLT & LOW	*	U	JPL	MA	R		34	02	63	J		048200	4200410		
A	4200412	PL	A	CB1 HIGH VOLTAGE		U	JPL	MA	R		34	03	62	J		048400	4200412		
J	4200413		A	CB2 HI VOLT & LOW		U	JPL	MA	R		34	01	62	J		048500	4200412		
J	4200414		A	CB2 ASSY PULSE DEMOD	*	U	JPL	MA	R		34	02	63	J		048800	4200413		
A	4200414	PL	A	CB2 ASSY PULSE DEMOD		U	JPL	MA	R		34	01	62	J		048900	4200414		
C	4200415		A	CB26CB3 SUBASSEMBLY		U	JPL	MA	R		34	03	62	J		048700	4200596		
J	4200416			CB2 PC PULSE DEMOD		U	JPL	MA	R		34	01	62	J		049000	4200414		
J	4200417		A	CB3 REED DRIVE ELECT	*	U	JPL	MA	R		34	02	62	J		049100	4200415		

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							REVISION	THIRD REV.		NO.	YY.				
A	4200417			D CB3 REED DRIVE ELECT	*	U	JPL	MA	R	34	11	62	J	049300	4200417
J	4200418			CB3 PC REED DRIVE		U	JPL	MA	R	34	01	62	J	049400	4200417
J	4200500			B SCHEM LAUNCH COUNTER		U	JPL	MA	R	34	08	62	J	090000	4200502
J	4200500			B SCHEM LAUNCH COUNTER		U	JPL	MA	R	34	08	62	J	088900	4200503
A	4200501	PL	C	CB1 LAUNCH COUNTER		U	JPL	MA	R	34	08	62	J	089400	4200501
J	4200501		B	CB1 ASSY LAUNCH CNTR		U	JPL	MA	R	34	08	62	J	089000	4200503
A	4200502	PL	B	CB2 LAUNCH COUNTER		U	JPL	MA	R	34	08	62	J	090100	4200502
J	4200502		B	CB2 ASSY LAUNCH CTR		U	JPL	MA	R	34	08	62	J	089600	4200503
D	4200503		B	LAUNCH COUNTER 5A2		U	JPL	MA	R	34	08	62	J	088300	4900501
D	4200504		A	SUBCHASS LAUNCH COUT		U	JPL	MA	R	34	08	62	J	090300	4200503
J	4200505		A	CB1 PC LAUNCH COUNTR		U	JPL	MA	R	34	08	62	J	089500	4200501
J	4200506		A	CB2 PC LAUNCH COUNTR		U	JPL	MA	R	34	08	62	J	090200	4200502
J	4200510		B	CENTRAL CLOCK SCHEM		U	JPL	MA	R	34	07	62	J	091300	4200511
J	4200510		B	CENTRAL CLOCK SCHEM		U	JPL	MA	R	34	07	62	J	092000	4200512
J	4200510		B	CENTRAL CLOCK SCHEM		U	JPL	MA	R	34	08	62	J	090700	4200513
A	4200511	PL	C	CB1 CENTRAL CLOCK		U	JPL	MA	R	34	08	62	J	091400	4200511
J	4200511		B	CB1 ASSY CENTRAL CLK		U	JPL	MA	R	34	08	62	J	090800	4200513
A	4200512	PL	D	CB2 CENTRAL CLOCK		U	JPL	MA	R	34	08	62	J	092100	4200512
J	4200512		B	CB2 ASSY CENT CLOCK		U	JPL	MA	R	34	08	62	J	091600	4200513
D	4200513		C	CENTRAL CLOCK 5A1		U	JPL	MA	R	34	08	62	J	090400	4900501
D	4200514		A	SUBCHAS CENTRAL CLCK		U	JPL	MA	R	34	08	62	J	092300	4200513
J	4200515		B	PC CB1 CENTRAL CLOCK		U	JPL	MA	R	34	08	62	J	091500	4200511
J	4200516		A	CB2 PC CENTRAL CLOCK		U	JPL	MA	R	34	08	62	J	092200	4200512
J	4200520		B	MANEUVER CLOCK SCHEM		U	JPL	MA	R	34	08	62	J	093400	4200521
J	4200520		B	MANEUVER CLOCK SCHEM		U	JPL	MA	R	34	08	62	J	094000	4200522
J	4200520		B	MANEUVER CLOCK SCHEM		U	JPL	MA	R	34	08	62	J	092900	4200523
A	4200521	PL	B	CB1 MANEUVER CLOCK		U	JPL	MA	R	34	08	62	J	093500	4200521
J	4200521		B	CB1 ASSY MANEUVR CLCK		U	JPL	MA	R	34	08	62	J	093000	4200523
A	4200522	PL	B	CB2 MANEUVER CLOCK		U	JPL	MA	R	34	08	62	J	094100	4200522
J	4200522		B	CB2 ASSY MANEUVR CLCK		U	JPL	MA	R	34	08	62	J	093700	4200523
D	4200523		B	MANEUVER CLOCK 5A4		U	JPL	MA	R	34	08	62	J	092400	4900504
D	4200524		A	SUBCHASS MANEUVER		U	JPL	MA	R	34	08	62	J	094300	4200522
J	4200525		A	CB1 PC MANEUVER DUR		U	JPL	MA	R	34	08	62	J	093600	4200521
J	4200526		A	PC CB2 MANEUVR CLOCK		U	JPL	MA	R	34	08	62	J	094200	4200522
J	4200530		C	ADDRESS REG SCHEM		U	JPL	MA	R	34	08	62	J	095100	4200531
J	4200530		C	ADDRESS REG SCHEM		U	JPL	MA	R	34	08	62	J	095700	4200532
J	4200530		B	ADDRESS REG SCHEM		U	JPL	MA	R	34	07	62	J	094800	4200533
A	4200531	PL	B	CB1 ADDRESS REGISTER		U	JPL	MA	R	34	08	62	J	095200	4200531
J	4200531		A	CB1 ASSY MANEUVR DUPT		U	JPL	MA	R	34	08	62	J	094900	4200533
A	4200532	PL	C	CB2 ADDRESS REGISTER		U	JPL	MA	R	34	08	62	J	095800	4200532

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							REVISION	THIRD REV.		NO.	YY.				
J	4200532		A	CB2 ADDRESS REGISTER		U	JPL	MA	R	34	08	62	J	095400	4200533
D	4200533		C	ADDRESS REGIS 5A6		U	JPL	MA	R	34	08	62	J	094400	4900501
D	4200534		A	SUBCHASSIS ADD REG		U	JPL	MA	R	34	08	62	J	096000	4200533
J	4200535		A	CB1 PC MD OUTPUT		U	JPL	MA	R	34	08	62	J	095300	4200531
J	4200536		A	CB2 PC MD OUTPUT		U	JPL	MA	R	34	08	62	J	095900	4200532
D	4200537		C	SUBCHASS END COUNTER		U	JPL	MA	R	34	08	62	J	101900	4200573
A	4200538	PL	D	CB1 END COUNTER		U	JPL	MA	R	34	08	62	J	102200	4200538
J	4200538		D	CB1 ASSY END COUNTER		U	JPL	MA	R	34	08	62	J	102000	4200573
A	4200539	PL	B	CB2 END COUNTER		U	JPL	MA	R	34	08	62	J	102800	4200539
J	4200539		D	CB2 ASSY END COUNTER		U	JPL	MA	R	34	08	62	J	102600	4200574
J	4200540		B	MANEUVER DUR SCHEM		U	JPL	MA	R	34	08	62	J	096900	4200541
J	4200540		B	MANEUVER DUR SCHEM		U	JPL	MA	R	34	08	62	J	097500	4200542
J	4200540		B	MANEUVER DUR SCHEM		U	JPL	MA	R	34	08	62	J	096400	4200543
A	4200541	PL	B	CB1 MANEUVER DURATON		U	JPL	MA	R	34	08	62	J	097000	4200541
J	4200541		B	CB1 ASSY MANEUVR DUR		U	JPL	MA	R	34	08	62	J	096500	4200543
A	4200542	PL	B	CB2 MANEUVER DURATON		U	JPL	MA	R	34	08	62	J	097600	4200542
J	4200542		B	CB2 ASSY MANEUVR DUR		U	JPL	MA	R	34	08	62	J	097200	4200543
D	4200543		B	MANEUVER DURAT 5A5		U	JPL	MA	R	34	08	62	J	096100	4900501
D	4200544		A	SUBCHASS MANEUVER		U	JPL	MA	R	34	08	62	J	097800	4200543
J	4200545		A	CB1 PC MANEUVR DURAT		U	JPL	MA	R	34	08	62	J	097100	4200541
J	4200546		A	CB2 PC MANEUVER DUR		U	JPL	MA	R	34	08	62	J	097700	4200542
J	4200550		B	INPUT DECODER SCHEM		U	JPL	MA	R	34	08	62	J	098600	4200551
J	4200550		B	INPUT DECODER SCHEM		U	JPL	MA	R	34	08	62	J	099100	4200552
J	4200550		B	INPUT DECODER SCHEM		U	JPL	MA	R	34	08	62	J	098200	4200553
A	4200551	PL	B	CB1 INPUT DECODER		U	JPL	MA	R	34	08	62	J	098700	4200551
J	4200551		A	CB1 ASSY INPUT DECOD		U	JPL	MA	R	34	08	62	J	098300	4200553
A	4200552	PL	B	CB2 INPUT DECODER		U	JPL	MA	R	34	08	62	J	099200	4200552
J	4200552		A	CB2 ASSY INPT DECODR		U	JPL	MA	R	34	08	62	J	098900	4200553
D	4200553		C	INPUT DECODER 5A7		U	JPL	MA	R	34	08	62	J	097900	4900501
D	4200554		A	SUBCHAS INPUT DECODE		U	JPL	MA	R	34	08	62	J	099400	4200553
J	4200555		A	CB1 PC INPUT DECODER		U	JPL	MA	R	34	08	62	J	098800	4200551
J	4200556		A	CB2 PC INPUT DECODER		U	JPL	MA	R	34	08	62	J	099300	4200552
A	4200557	PL	B	CB2 TRANSFORMER RECT		U	JPL	MA	R	34	08	62	J	100100	4200557
D	4200557		A	CB2 XFMR RECT		U	JPL	MA	R	34	08	62	J	100000	4200563
B	4200558		A	TRANSFLUXOR TM10		U	JPL	MA	R	34	08	62	J	103250	4200575
J	4200559		A	CB2 PC XFMR RECTIF		U	JPL	MA	R	34	08	62	J	100200	4200557
D	4200560		D	XFMR RECT SCHEM		U	JPL	MA	R	34	08	62	J	100300	4200557
D	4200560		D	TRANSFORMER SCHEM		U	JPL	MA	R	34	08	62	J	100400	4200563
A	4200561	PL	C	CB1 TRANSFORMER RECT		U	JPL	MA	R	34	08	62	J	100600	4200561
D	4200561		B	CB1 XFMR RECTIFIER		U	JPL	MA	R	34	08	62	J	100500	4200563

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								MAJOR	MINOR					
J	4200562		B	CB1 PC XFMR RECTIF	U	JPL	MA R	34	08	62	J	100700	4200561	
D	4200563		D	XFORMER RECT 5A8	U	JPL	MA R	34	01	62	J	099500	4900501	
D	4200564		B	SUBCHAS XFMR RECT	U	JPL	MA R	34	08	62	J	100800	4200563	
B	4200565			BRACKET DIODE XFMR	U	JPL	MA R	34	01	62	J	100900	4200563	
C	4200566		A	STRAP RELAY CC65	U	JPL	MA R	34	08	62	J	101000	4200563	
B	4200567			INDUCTOR XFMR RECT	U	JPL	MA R	34	01	62	J	101100	4200563	
B	4200568			INSULATION BD XFMR	U	JPL	MA R	34	01	62	J	101200	4200563	
B	4200569		A	INDUCTOR BRKT XFMR	U	JPL	MA R	34	08	62	J	101300	4200563	
J	4200570		D	END COUNTER SCHEM	U	JPL	MA R	34	08	62	J	102400	4200538	
J	4200570		D	END COUNTER SCHEM	U	JPL	MA R	34	08	62	J	102900	4200539	
J	4200570		D	END COUNTER SCHEM	U	JPL	MA R	34	08	62	J	103000	4200573	
J	4200571		B	CB1	U	JPL	MA R	34	08	62	J	102500	4200538	
J	4200572		A	CB2 PC END COUNTER	U	JPL	MA R	34	08	62	J	102910	4200539	
A	4200573	PL2	C	CB1 END COUNTER	U	JPL	MA R	34	07	62	J	103100	4200573	
A	4200573	PL5	A	CB2 END COUNTER	U	JPL	MA R	34	01	62	J	103200	4200573	
D	4200573		C	END COUNTER 5A3	U	JPL	MA R	34	08	62	J	101400	4900501	
B	4200574		A	TRANSFLUXOR TM7	U	JPL	MA R	34	08	62	J	103255	4200573	
B	4200575		B	TRANSFLUXOR TM8	U	JPL	MA R	34	08	62	J	103300	4200573	
J	4200576		A	TRANSFLUXOR TM9	U	JPL	MA R	34	08	62	J	103400	4200573	
J	4200588		B	PIPING ATTITUDE INST	U	JPL	MA R	34	04	62	J	040800	4100310	
J	4200589		C	BRKT SUPPORT	U	JPL	MA R	34	09	62	J	041100	4200588	
D	4200590			RING SPT BRKT NITROG	U	JPL	MA R	34	11	61	J	041200	4200589	
D	4200591			PLATE SPT BRKT NITRO	U	JPL	MA R	34	11	61	J	041300	4200589	
D	4200592			VALVE REGULATOR ASSY	U	JPL	MA R	34	11	61	J	041400	4200588	
D	4200593			BRACKET VALVE REGUL	U	JPL	MA R	34	11	61	J	041500	4200592	
C	4200594			TEE SOCKET WELD SPEC	U	JPL	MA R	34	11	61	J	041600	4200592	
C	4200595		A	BRACKET SUP YAW JETS	U	JPL	MA R	34	04	62	J	015400	4100303	
J	4200596		C	ELECTRONIC ASSY	U	JPL	MA R	34	08	62	J	047300	4800370	
C	4200597			MAGNETIC SHIELD	U	JPL	MA R	34	01	62	J	048600	4200416	
C	4200597			MAGNETIC SHIELD	U	JPL	MA R	34	01	62	J	049500	4200415	
C	4200598			L V TRANSFORMER MTG	U	JPL	MA R	34	01	62	J	049600	4200596	
C	4200599			H.V. TRANSFORMER MTG	U	JPL	MA R	34	01	62	J	049700	4200596	
J	4200600		B	GEAR TRAIN ANT DRIVE	U	JPL	MA R	34	02	62	J	043900	4100310	
B	4200601			GEAR SPUR MOTOR ANT	U	JPL	MA R	34	10	61	J	046100	4200600	
C	4200603			ELBOW SOCKET WELD	U	JPL	MA R	34	11	61	J	042200	4200588	
C	4200604			ELBOW SIDE OUTLET	U	JPL	MA R	34	11	61	J	042300	4200588	
D	4200605		A	MANF 3 VALVE CONT	U	JPL	MA R	34	10	62	J	042400	4200588	
C	4200606		A	MANIFOLD 2 VALVE DWG	U	JPL	MA R	34	10	62	J	042500	4200588	
C	4200607			TUBE FILL CONNECTION	U	JPL	MA R	34	11	61	J	041700	4200592	
C	4200608		A	TUBE TRANSDUCER CONN	U	JPL	MA R	34	10	62	J	041800	4200592	

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							MAJOR	MINOR	THRU	DATE	BY	STATUS	ASSEMBLY		
C	4200610			TEE SOCKET WELD	U	JPL	MA	R		34	11	61	J	041900	4200592
C	4200611			SLEEVE SOCKET WELD	U	JPL	MA	R		34	11	61	J	042600	4200588
C	4200612			SLEEVE SOCKET WELD	U	JPL	MA	R		34	11	61	J	042000	4200592
C	4200613			ELBOW SOCKET WELD HP	U	JPL	MA	R		34	11	61	J	042700	4200588
D	4200614			SPIDER ASSY BRAZEMT	U	JPL	MA	R		34	11	61	J	042800	4200588
C	4200615			FLANGE 3 BOLT	U	JPL	MA	R		34	11	61	J	042900	4200588
D	4200616			MANIFOLD VALVE	U	JPL	MA	R		34	11	61	J	042100	4200592
C	4200620			HOSE METAL FLEX ASSY	U	JPL	MA	R		34	11	61	J	043000	4200592
D	4200624		B	NOZZLE JET	U	JPL	MA	R		34	11	62	J	043100	4200588
D	4200625			SPACE THERMAL	U	JPL	MA	R		34	11	61	J	043200	4200588
C	4200629			SLEEVE SOCKET WELD	U	JPL	MA	R		34	11	61	J	043300	4200588
D	4200630		A	SHIELD REG WELDMENT	U	JPL	MA	R		34	11	62	J	043400	4200588
J	4200631			SHIELD REG L WR WELD	U	JPL	MA	R		34	01	62	J	043800	4200588
U	4200633			FRAME SHIELD REGULAT	U	JPL	MA	R		34	01	62	J	043500	4200630
C	4200634		A	COVER FR SHIELD REG	U	JPL	MA	R		34	04	62	J	043600	4200630
C	4200635			COVER TOP SHIELD REG	U	JPL	MA	R		34	11	62	J	043700	4200630
C	4200638			TB SW AMPLIFIER LOGIC	U	JPL	MA	R		34	02	62	J	087700	4200639
C	4200638			TB SW AMPLIFIER LOGIC	U	JPL	MA	R		34	02	62	J	087900	4200640
C	4200638			TB SW AMPLIFIER LOGIC	U	JPL	MA	R		34	02	62	J	088100	4200641
C	4200639			CKT BD 3 ASSY SW AMP	U	JPL	MA	R		34	02	62	J	087600	4200351
C	4200640			CB4SW AMPLIFIER LOGIC	U	JPL	MA	R		34	02	62	J	087800	4200351
C	4200641			CKT BD 5 SW AMPL	U	JPL	MA	R		34	02	62	J	088000	4200351
D	4200647			CLUTCH SLIP ANT DRIVE	U	JPL	MA	R		34	02	62	J	046200	4200600
C	4200666		A	SENSOR ASSY PRIMARY	U	JPL	MA	R		34	07	62	J	046300	4100310
D	4200668		A	SEC SUN SENSOR	U	JPL	MA	R		34	05	62	J	031800	4100306
J	4200669		A	BRACKET SEC SUN SENS	U	JPL	MA	R		34	05	62	J	031900	4200668
D	4200670			MASK	U	JPL	MA	R		34	05	62	J	032100	4200671
U	4200671		A	CELL ASSEMBLY E.E.	U	JPL	MA	R		34	12	62	J	032000	4200668
U	4200672		A	TB SECONDARY SUN SEN	U	JPL	MA	R		34	05	62	J	032200	4200668
C	4200673			SUN SENSOR ASSEMBLY	U	JPL	MA	R		34	12	62	J	032300	4100306
U	4200822		A	HOUSING PHOTOMULTPLR	U	JPL	MA	R		34	02	63	J	031900	4800369
C	4200823			STEM RESISTOR BLOCK	U	JPL	MA	R		34	02	62	J	032100	4200826
C	4200824		A	UPPER TERMINAL PLATE	U	JPL	MA	R		34	02	63	J	032200	4200826
C	4200825		A	LOWER TERMINAL PLATE	U	JPL	MA	R		34	02	62	J	032300	4200826
C	4200826		D	PHOTOMULT TUBE ASSY	U	JPL	MA	R		34	02	63	J	032000	4200822
C	4200827		A	COIL ASSEMBLY	U	JPL	MA	R		34	02	63	J	033200	4800369
J	4200828		A	MAGNET ASSEMBLY	U	JPL	MA	R		34	02	63	J	033400	4800369
J	4200829		A	BASE COIL	U	JPL	MA	R		34	02	63	J	033300	4200827
C	4200830			SCREW NAIL	U	JPL	MA	R		34	02	62	J	043500	4800369
C	4200831			RAIL	U	JPL	MA	R		34	02	62	J	043700	4800369

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							REVISION	THIRD REV.					
C	4200832			HOUSING LENS	U	JPL	MA	R	34	06	62	J	050900 4200848
C	4200833			SHADE LIGHT	U	JPL	MA	R	34	06	62	J	051000 4200848
C	4200834			BRACKET TRANSDUCER	U	JPL	MA	R	34	06	62	J	053800 4800369
C	4200836			BRACKET CONNECTOR	U	JPL	MA	R	34	06	62	J	049800 4200596
C	4200837			BRACKET BOARD ATTACH	U	JPL	MA	R	34	06	62	J	049900 4200596
D	4200838			REED CHOPPER DRIVE	U	JPL	MA	R	34	06	62	J	053900 4800369
C	4200839			NUTPLATE CONNECTOR	U	JPL	MA	R	34	06	62	J	050100 4200596
C	4200840			SPACER LENS	U	JPL	MA	R	34	06	62	J	050600 4800370
C	4200841			FRAME CHOPPER&COIL	U	JPL	MA	R	34	06	62	J	054000 4800369
D	4200842	B		CHOPPER	U	JPL	MA	R	34	02	63	J	054100 4800369
D	4200843			MOUNT REEDS	U	JPL	MA	R	34	06	62	J	054200 4800369
C	4200844			BEARING PLATE REEDS	U	JPL	MA	R	34	06	62	J	054300 4800369
C	4200845			PICKOFF	U	JPL	MA	R	34	06	62	J	054600 4200852
J	4200846	A		COVER BRAZEMENT	U	JPL	MA	R	34	08	62	J	050200 4200596
D	4200847			HOUSING CHOPPER DRIVE	U	JPL	MA	R	34	06	62	J	054400 4800369
C	4200848			LENS ASSY	U	JPL	MA	R	34	06	62	J	050800 4800370
C	4200849			STANDOFF BOARD MOUNT	U	JPL	MA	R	34	06	62	J	050400 4200596
D	4200850	A		HOUSING PHOTOMULTPLR	U	JPL	MA	R	34	02	63	J	052400 4200822
C	4200852			METRISITE REWORK	U	JPL	MA	R	34	06	62	J	054500 4800369
C	4200853			NUTPLATE LENS	U	JPL	MA	R	34	06	62	J	051100 4800370
B	4200855			WINDOW PHOTOMULTIPLR	U	JPL	MA	R	34	06	62	J	052500 4200822
B	4200856			INSULATING CUP	U	JPL	MA	R	34	06	62	J	052600 4200822
B	4200857			WASHER PHOTOMULTIPLR	U	JPL	MA	R	34	06	62	J	052700 4200822
C	4200858			SHIELD	U	JPL	MA	R	34	06	62	J	052800 4800822
C	4200859			INSULATOR PHOTOMULT	U	JPL	MA	R	34	06	62	J	052900 4200822
C	4200860			CAP PHOTOMULTIPLIER	U	JPL	MA	R	34	06	62	J	053000 4200822
C	4200861			MOUNT MAGNET	U	JPL	MA	R	34	06	62	J	054700 4800369
C	4200862			SPEC SHIELD INSTL	U	JPL	MA	R	34	06	62	J	053100 4200822
C	4200863			LOCATOR BASE	U	JPL	MA	R	34	06	62	J	051200 4800370
B	4200864			ADJUSTING SCREW	U	JPL	MA	R	34	06	62	J	054800 4800369
C	4200865			PLUG POT ADJUST HOLE	U	JPL	MA	R	34	06	62	J	051400 4800370
J	4200866			OUTLINE	U	JPL	MA	R	34	06	62	J	051500 4800370
C	4200868			LENS COVER	U	JPL	MA	R	34	06	62	J	051600 4800370
J	4200872			CASE LONG RANGE	U	JPL	MA	R	34	06	62	J	051900 4800370
C	4200873			STRAP RAIL	U	JPL	MA	R	34	06	62	J	054900 4800369
J	4201036	A		GYRO CONTROL SCHEM	U	JPL	MA	R	34	10	62	J	086053 4200300
J	4201037			CB4 PRINTED CIRCUITY	U	JPL	MA	R	34	09	62	J	086052 4200312
A	4201038			ENCAPSULATING CAP	U	JPL	MA	R	34	09	62	J	086054 4200300
A	4201038			ENCAPSULATING CAP	U	JPL	MA	R	34	09	62	J	086020 4200302
A	4201038			ENCAPSULATING CAP	U	JPL	MA	R	34	09	62	J	086024 4200303

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							REVISION	THIRD REV.					
B	4201039			SLEEVE INSULATOR	U	JPL	MA	R	34	09	62	J	086056 4200300
B	4201040			WASHER INSULATOR	U	JPL	MA	R	34	09	62	J	086058 4200300
B	4201041	B		SLEEVE INSULATOR	U	JPL	MA	R	34	09	62	J	086060 4100300
B	4201042	A		WASHER INSULATOR	U	JPL	MA	R	34	09	62	J	086062 4100300
D	4201043	A		BLK DIAG DWG	U	JPL	MA	R	34	11	62	J	043840 4200588
C	4400002	F		PWR SUP 2.4KC SCHEM	U	JPL	MA	R	34	06	62	J	143404 4400003
D	4400003	E		2400CPS PWR AMPL 4A9	U	JPL	MA	R	34	03	62	J	143401 4400204
D	4400004	D		SUBCHASSIS PWR SUP	U	JPL	MA	R	34	03	62	J	143405 4400003
B	4400005			POWER XFMR T-1	U	JPL	MA	R	34	04	61	J	143407 4400003
D	4400007	H		BOOSTER REGULAT SCHM	U	JPL	MA	R	34	01	62	J	134300 4400011
D	4400007	H		SCHEMATIC DIAG	U	JPL	MA	R	34	01	62	J	134900 4400013
C	4400007	H		SCHEMATIC DIAGRAM	U	JPL	MA	R	34	01	62	J	135300 4400086
B	4400010	C		POWER XFMR T3	U	JPL	MA	R	34	10	61	J	134500 4400011
D	4400011	D		BOOSTER REGULATOR	U	JPL	MA	R	34	12	61	J	133700 4900501
D	4400012	K		CHASS BOOSTER REG	U	JPL	MA	R	34	09	62	J	134600 4400011
B	4400013	A		CAPACITOR SUBASSY	U	JPL	MA	R	34	07	61	J	134700 4400011
D	4400015	B		COVER	U	JPL	MA	R	34	06	61	J	135100 4400011
D	4400016	E		SUBCHASS BATT CHARGE	U	JPL	MA	R	34	09	61	J	141800 4400042
C	4400022	A		XFMR T3 POWER SUPPLY	U	JPL	MA	R	34	11	61	J	136400 4400018
C	4400023	B		CHOKO L1 POWER SUPPLY	U	JPL	MA	R	34	10	61	J	136500 4400018
D	4400032	F		SUBCHASSIS PWR SYNC	U	JPL	MA	R	34	03	62	J	139200 4400031
D	4400033	C		CB1 POWER SYNCHRON	U	JPL	MA	R	34	04	61	J	139300 4400031
A	4400033	PL		CB1 POWER SYNCHRON	U	JPL	MA	R	34	11	61	J	139400 4400033
D	4400034	A		CB2 POWER SYNCHRON	U	JPL	MA	R	34	08	61	J	139700 4400031
A	4400034	PL		CB2 POWER SYNCHRON	U	JPL	MA	R	34	07	61	J	140100 4400034
J	4400035	F		POWER SYNCHRON SCHEM	U	JPL	MA	R	34	03	62	J	140400 4400031
J	4400035	F		POWER SYNCHRON SCHEM	U	JPL	MA	R	34	03	62	J	139500 4400033
J	4400035	F		POWER SYNCHRON SCHEM	U	JPL	MA	R	34	03	62	J	140200 4400034
J	4400035	F		POWER SYNCHRON SCHEM	U	JPL	MA	R	34	03	62	J	140900 4400083
C	4400037	PC		TB2 POWER SYNCHRON	U	JPL	MA	R	34	04	61	J	140300 4400034
C	4400038	A		XFMR DRIVER PWR SYNC	U	JPL	MA	R	34	06	61	J	140500 4400031
C	4400039			SATURABLE XFMR	U	JPL	MA	R	34	04	61	J	140600 4400031
J	4400040	L		SCHEMATIC DIAG	U	JPL	MA	R	34	06	62	J	186000 4400046
J	4400040	D		SCHEMATIC DIAG	U	JPL	MA	R	34	09	61	J	186400 4400043
D	4400040	D		SCHEMATIC DIAG	U	JPL	MA	R	34	09	61	J	187800 4400055
D	4400040	D		SCHEMATIC DIAG	U	JPL	MA	R	34	09	61	J	188500 4400063
D	4400042	F		BATTERY CHARGER 4A7	U	JPL	MA	R	34	11	61	J	141100 4900501
D	4400043	D		CB1 BATTERY CHARGER	U	JPL	MA	R	34	10	61	J	142000 4400042
A	4400043	PL		CB1 BATTERY CHARGER	U	JPL	MA	R	34	03	62	J	142400 4400043
C	4400044	G		SCHEMATIC DIAG	U	JPL	MA	P	34	03	62	J	142700 4400042

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								REVIEW	THRU DES.					
C	4400044		G	SCHEMATIC DIAG		U	JPL MA R	34	03	62	J	142500	4400043	
J	4400044		G	SCHEMATIC DIAG		U	JPL MA R	34	03	62	J	187300	4400053	
J	4400045		A	PC TBI BATT CHARGER		U	JPL MA R	34	09	61	J	142600	4400043	
J	4400046		K	4A1 PWR SW LOGIC	*	U	JPL MA R	34	10	62	J	185500	4800296	
J	4400047		H	SUBCHASS ASSY PW SW	*	U	JPL MA R	34	09	62	J	186100	4400046	
D	4400048		B	TRANSFORMER ASSY PWR		U	JPL MA R	34	10	61	J	186200	4400046	
J	4400051		D	COVER ASSY		U	JPL MA R	34	02	62	J	186700	4400046	
B	4400052		A	TRANSFORMER		U	JPL MA R	34	10	61	J	187400	4400053	
D	4400053		S	TELEMETERING OSC ASSY		U	JPL MA R	34	10	61	J	186800	4400046	
D	4400054		A	SUPPORT TEL OSC PWR		U	JPL MA R	34	10	61	J	187500	4400053	
D	4400055		C	CB1		U	JPL MA R	34	01	62	J	187600	4400053	
A	4400055	PL	B	CB1		U	JPL MA R	34	02	62	J	187900	4400055	
D	4400056		A	PC TBI		U	JPL MA R	34	07	61	J	188000	4400055	
D	4400059		B	CB3		U	JPL MA R	34	07	61	J	188300	4400046	
A	4400077	PL	C	CB 2 PWR SUPPLY		U	JPL MA R	34	03	61	J	137700	4400077	
B	4400081		A	AMPLIFIER MAG ASSY		U	JPL MA R	34	10	61	J	188100	4400053	
B	4400082		A	CAPACITOR ASSY		U	JPL MA R	34	07	61	J	140700	4400031	
B	4400086		A	CAPACITOR ASSEMBLY		U	JPL MA R	34	07	61	J	135200	4400011	
B	4400087		A	CB4		U	JPL MA R	34	09	61	J	141900	4400016	
D	4400089		B	CB1 BSTR REG & POWER		U	JPL MA R	34	12	62	J	135400	4400011	
A	4400089	PL	C	BOOSTER REG CB1		U	JPL MA R	34	01	62	J	135700	4400089	
A	4400126		A	WASHER INSULATION		U	JPL MA R	34	10	61	J	188200	4400053	
C	4400210		C	TOP SHIELD ASSY		U	JPL MA R	34	01	62	J	144000	4900501	
D	4400211		A	4B 400 CYCLE PW SUP		U	JPL MA R	34	03	62	J	138100	4400018	
B	4400213		A	CHOKE L3 PW SUPP 400		U	JPL MA R	34	03	62	J	138300	4400018	
B	4400216		A	CHOKE L1 POWER SYNC		U	JPL MA R	34	03	62	J	141000	4400031	
B	4400218		A	CHOKE L2 PWR SW LOGIC		U	JPL MA R	34	03	62	J	188700	4400046	
B	4400219		A	LUG TERMINAL		U	JPL MA R	34	06	62	J	188800	4400046	
B	4400219		A	CHOKE L3		U	JPL MA R	34	06	62	J	188900	4400046	
D	4500034		A	SENSOR EARTH LONG		U	JPL MA R	34	08	61	J	047100	4100310	
J	4600456		CYL	SUPP OMNI ANTENNA	*	U	JPL MA R	34	12	62	J	059320	4600340	
D	4600602		ATT	CONT GAS SCHEM	*	U	JPL MR62	34	11	61	J			
J	4800369		B	CHOPPER DRIVE ASSY		U	JPL MA R	34	06	62	J	051800	4800370	
J	4800370		B	LONG RANGE EARTH SEN		U	JPL MA R	34	06	62	J	047200	4500234	
J	4900225		CABLE	INSTL 4A11	*	U	JPL MA R	34	12	62	J	005600	4100306	
J	4900226		CABLING	-X AXIS 4A12	*	U	JPL MA R	34	12	62	J	009200	4100306	
D	4900227		B	SCHEMATIC DIAG 4A11	*	U	JPL MA R	34	12	62	J	005700	4900225	
D	4900228		B	SCHEMATIC DIAG 4A12	*	U	JPL MA R	34	12	62	J	009300	4900226	
J	4900247		A	9W30 INTERCONN SUBASY	*	U	JPL MA R	34	12	62	J	070800	4800300	
J	4900248		WIRING	4A11 SOL PANEL	*	U	JPL MA R	34	12	62	J	006100	4900225	

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ITEM NO.	DRAWING NO.	REV.	TITLE	UNIT	QUANTITY	REMARKS	REMARKS FOR WAGER ITEM	REMARKS	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	
									NO.	72			
4	4900254		GROUND WIRE ASSEMBLY	U	JPL	MA R		34	01	62	J	028200	4100320
J	4900502		CHASS ATTITUDE CONT	U	JPL	MA R		34	01	62	J	200400	4900501
C	4900506		SHIELD CHASSIS	U	JPL	MA R		34	10	61	J	203100	4900502
C	L213		RAIL	U	NOR	MA R		34			O	037300	4800349
A	106100	PL	B AUTOPILOT ELECTRONIC	U	NOR	MA R		34	05	62	J	131400	106100
B	106100		B AUTOPILOT ACTUATOR	U	NOR	MA R		34	05	62	J	131100	4300204
D	106101		D AUTOPILOT ELECTRONIC	U	NOR	MA R		34	05	62	J	131500	106100
6	106102		TB AUTOPLT ACTR ELEC	U	NOR	MA R		34	02	62	J	131600	106100
	106103		ART WORK	U	NOR	MA R		34	02	62	J	131700	106102
	106104		ART WORK	U	NOR	MA R		34	02	62	J	131800	106102
D	106105		A SUBCHASS AUTOPILOT	U	NOR	MA R		34	02	62	J	131900	106100
B	106106		A SLEEVE INSUL AUTOPLT	U	NOR	MA R		34	02	62	J	131200	106100
B	106107		WASHER-INSUL AUTOPLT	U	NOR	MA R		34	02	62	J	131300	106100
6	106118		E SUBCHAS ANT&PHP	U	NOR	MA R		34	02	62	J	132200	106130
D	106119		D SERVO ANT DRIVE ASSY	U	NOR	MA R		34	02	62	J	132300	106130
D	106120		B SPACER ANT&PHP SERVO	U	NOR	MA R		34	02	62	J	132800	106119
C	106121		B SHIELD ANT&PHP	U	NOR	MA R		34	02	62	J	132400	106119
C	106122		A SPT ANT&PHP SERVO	U	NOR	MA R		34	02	62	J	132500	106119
C	106123		A CPLG ANT&PHP SERVO	U	NOR	MA R		34	02	62	J	132600	106119
1	106124		B GUIDE ANT&PHP SERVO	U	NOR	MA R		34	02	62	J	132700	106119
D	106125		C CAP SEAL ANT&PHP	U	NOR	MA R		34	02	62	J	132900	106130
D	106126	B	B INS ANT&PHP ELECT	U	NOR	MA R		34	02	62	J	133000	106130
4	106127		A XMR ASSY ANT&PHP	U	NOR	MA R		34	02	62	J	133100	106130
A	106130	PL	C ANT SERVO ELECTRONICS	U	NOR	MA R		34	02	62	J	133200	106130
6	106130		C ANT SERVO SUBASSY	U	NOR	MA R		34	02	62	J	132100	4300205
	106131		E ANT SERVO SUBASSY	U	NOR	MA R		34	02	62	J	132300	106130
6	106132		TERM BD ANT SERVO	U	NOR	MA R		34	02	62	J	133400	106130
	106133		ART WORK	U	NOR	MA R		34	02	62	J	133500	106132
	106134		ART WORK	U	NOR	MA R		34	02	62	J	133600	106132
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DRAWING NO.	DATE	TITLE	U	S	REVISION	RELEASE FOR		REVISION	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	S
						REVISION	THIRD REV.					
D 15000		ACTUATOR ASSY	*	U	GAI	MA	R	35	02	63	C	
15090		LINEAR SPRING DAMPER	*	U	GAI	MA	R	35	01	63	C	222000 4100309
												4100309
D 158100		E LATCH ASSY	*	U	HM	MA	R	35	02	63	C	19510 4100315
B 90024		COMPOUND POTTING		U	JPL	MA	R	35	09	57	J	199600 4800406
B 90068		SPACER		U	JPL	MA	R	35	02	58	J	000500 4100306
C 90085		DIODE INSTALLATION		U	JPL	MA	R	35	05	58	J	141200 4400042
C 90086		DIODE INSTALL		U	JPL	MA	R	35	05	58	J	133800 4400011
C 90088	A	CONNECTOR MOUNT		U	JPL	MA	R	35	04	58	J	211400 4700308
B 90089		PIN LOCATING		U	JPL	MA	R	35	09	58	J	084200 4200038
B 90089		PIN LOCATING DIAMOND		U	JPL	MA	R	35	09	58	J	201500 4200369
A 90091		RIVET INSPECTION		U	JPL	MA	R	35	05	58	J	185000 4100221
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	185300 4100222
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	027800 4100331
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	084500 4200053
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	093300 4200138
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	086200 4200351
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	086700 4200352
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	104400 4200578
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	103600 4200580
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	104600 4200582
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	105600 4200617
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	105800 4200619
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	106200 4200627
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	122900 4400011
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	138500 4400031
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	139800 4400034
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	141300 4400042
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	142100 4400043
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	185600 4400046
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	186300 4400048
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	186900 4400053
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	187700 4400055

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						REVISION	THIRD REV.					
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	140800 4400083
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	135500 4400089
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	168400 4600318
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	034700 4800069
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	075738 4900312
A 90091		ADHESIVE		U	JPL	MA	R	35	05	58	J	075758 4900314
B 90092		TERMINAL INSTL		U	JPL	MA	R	35	04	58	J	203800 4901003
A 90099		RESIN		U	JPL	MA	R	35	08	58	J	084600 4200053
A 90099		CASTING RESIN		U	JPL	MA	R	35	08	58	J	134800 4400013
B 90102		AUTOSYN CLAMP		U	JPL	MA	R	35	06	58	J	059700 4500122
C 90116		TRANSISTOR MOUNT		U	JPL	MA	R	35	07	58	J	138600 4400031
B 90119		INSERT HELI-COIL		U	JPL	MA	R	35	09	58	J	050000 4200837
B 90119		INSERT HELI COIL		U	JPL	MA	R	35	09	58	J	050300 4200846
B 90119		INSERT HELI COIL		U	JPL	MA	R	35	09	58	J	051700 4200872
A 90126		MUT TRANSISTOR MOUNT		U	JPL	MA	R	35	11	58	J	138700 4400031
A 90127		TRANSIPAD INSTALL		U	JPL	MA	R	35	10	58	J	083500 4200025
A 90127		TRANSIPAD		U	JPL	MA	R	35	10	58	J	086800 4200352
A 90127		TRANSIPAD		U	JPL	MA	R	35	10	58	J	047700 4200409
A 90127		TERMINAL		U	JPL	MA	R	35	10	58	J	089100 4200501
A 90127		TRANSIPAD INSTL		U	JPL	MA	R	35	10	58	J	089700 4200502
A 90127		TRANSIPAD INSTL		U	JPL	MA	R	35	10	58	J	090900 4200511
A 90127		TRANSIPAD INSTL		U	JPL	MA	R	35	10	58	J	091700 4200512
A 90127		TRANSIPAD INSTL		U	JPL	MA	R	35	10	58	J	093100 4200521
A 90127		TRANSIPAD INSTL		U	JPL	MA	R	35	10	58	J	093800 4200522
A 90127		TRANSIPAD		U	JPL	MA	R	35	10	58	J	095500 4200532
A 90127		TRANSIPAD INSTAL		U	JPL	MA	R	35	10	58	J	102100 4200538
A 90127		TRANSIPAD INSTAL		U	JPL	MA	R	35	10	58	J	102700 4200539
A 90127		TRANSIPD INSTL		U	JPL	MA	R	35	10	58	J	096600 4200541
A 90127		TRANSIPAD INSTL		U	JPL	MA	R	35	10	58	J	097300 4200542
A 90127		TRANSIPAD INSTL		U	JPL	MA	R	35	10	58	J	098400 4200551
A 90127		TRANSIPAD		U	JPL	MA	R	35	10	58	J	104700 4200582
A 90127		TRANSIPAD		U	JPL	MA	R	35	10	58	J	132900 4400034
A 90127		TRANSIPAD		U	JPL	MA	R	35	10	58	J	142200 4400043
A 90127		TRANSIPAD		U	JPL	MA	R	35	10	58	J	135600 4400089
A 90127		TRANSIPAD		U	JPL	MA	R	35	10	58	J	034800 4800069
A 90127		TRANSIPAD INSTL		U	JPL	MA	R	35	10	58	J	195600 4800263
A 90127		TRANSIPAD INSTL		U	JPL	MA	R	35	10	58	J	197200 4800365
A 90127		TRANSIPAD INSTL		U	JPL	MA	R	35	10	58	J	192900 4800376
A 90127		TRANSIPAD INSTL		U	JPL	MA	R	35	10	58	J	193500 4800398
A 90127		TRANSIPAD INSTL		U	JPL	MA	R	35	10	58	J	194200 4800402

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DRAWING LIST													
REV	DRAWING NO.	DATE	TITLE	UNIT	VENUE CODE	RELEASE FOR MAJOR ITEM		RESP. BY	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
						SERIAL	THIRD REV		NO.	YE.			
B	90143		BOOT POTTING	U	JPL	MA	R	35	07	59	J	044000	4200600
B	90153		SPLICE WIRE	U	JPL	MA	R	35	03	59	J	185700	4400046
A	90154		RESIN	U	JPL	MA	R	35	07	59	J	103700	4200580
A	90154		RESIN	U	JPL	MA	R	35	07	59	J	187000	4400053
D	90163		O RING	U	JPL	MA	R	35	02	59	J	218600	4700318
D	90163		O RING	U	JPL	MA	R	35	02	59	J	213200	4700322
D	90163		O RING	U	JPL	MA	R	35	03	59	J	211900	4700326
D	90163		O RING	U	JPL	MA	R	35	02	59	J	216700	4700334
D	90164		FITTING END	U	JPL	MA	R	35	09	59	J	219500	4700317
C	90190		CUP POTTING	U	JPL	MA	R	35	11	59	J	082900	4200033
C	90190		CUP POTTING	U	JPL	MA	R	35	01	62	J	143200	4400204
D	90250		NUT	U	JPL	MA	R	35	07	60	J	212900	4700306
C	90250		NUT	U	JPL	MA	R	35	07	60	J	212600	4700307
B	90252		SCREW QUINTLOCK	U	JPL	MA	R	35	07	60	J	088400	4200503
C	90252		SCREW QUINTLOCK	U	JPL	MA	R	35	07	60	J	091000	4200511
B	90252		SCREW QUINTLOCK	U	JPL	MA	R	35	07	60	J	092500	4200523
B	90252		SCREW QUINTLOCK	U	JPL	MA	R	35	07	60	J	095600	4200532
C	90252		SCREW QUINTLOCK	U	JPL	MA	R	35	07	60	J	099600	4200563
B	90252		QUINTLOCK STUD	U	JPL	MA	R	35	07	60	J	101500	4200573
B	90252		SCREW QUINTLOCK	U	JPL	MA	R	35	07	60	J	140000	4400034
B	90252		SCREW QUINTLOCK	U	JPL	MA	R	35	07	60	J	142300	4400043
C	90252		SCREW QUINTLOCK	U	JPL	MA	R	35	07	60	J	077700	4900501
B	90254	A	ASSEMBLY PHOTOCELL	U	JPL	MA	R	35	07	60	J	046400	4200666
D	90267		CAP	U	JPL	MA	R	35	09	60	J	218700	4700318
D	90267		CAP	U	JPL	MA	R	35	09	60	J	213300	4700322
D	90267		CAP	U	JPL	MA	R	35	09	60	J	216800	4700334
C	90273		WASHER C SUNK	U	JPL	MA	R	35	10	60	J	205900	4700301
C	90273		WASHER C SUNK	U	JPL	MA	R	35	10	60	J	206800	4700305
C	90273		WASHER C SUNK	U	JPL	MA	R	35	10	60	J	210000	4700310
B	90275		MOTOR SYNCHRONOUS	U	JPL	MA	R	35	09	60	J	059800	4500122
B	90283		WASHER SHOULDER	U	JPL	MA	R	35	11	60	J	187100	4400053
B	90283		WASHER	U	JPL	MA	R	35	11	60	J	062700	4800300
B	90284		WASHER INSULATED	U	JPL	MA	R	35	11	60	J	189100	4800261
B	90284		WASHER	U	JPL	MA	R	35	11	60	J	062800	4800300
B	90284		WASHER INSULATOR	U	JPL	MA	R	35	04	61	J	059500	4800408
A	90286		BOLT HEX HEAD	U	JPL	MA	R	35	11	60	J	011600	4100303
A	90286		BOLT HEX HD	U	JPL	MA	R	35	11	60	J	000200	4100309
A	90286		BOLT HEX HEAD	U	JPL	MA	R	35	03	62	J	020700	4100375
A	90302		SURFACE TREAT	U	JPL	MA	R	35	04	61	J	030800	4100204
A	90302		SURFACE TREATMENT	U	JPL	MA	R	35	02	62	J	031100	4100210

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REV	DRAWING NO.	DATE	C&L	TITLE	REV	C&L	REVISION	RELEASE FOR		RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								MAJOR ITEM	THIRD REV	REV	DATE			
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R	35	04	61	J	184100	4100220	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R	35	04	61	J	185100	4100221	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R	35	04	61	J	185400	4100222	
A	90302			SURFACE TREATMENT	U	JPL	MA R	35	11	61	J	021300	4100377	
A	90302	A		SURFACE TREATMENT	U	JPL	MA R	35	02	62	J	028500	4100401	
A	90302			SURFACE TREATMENT	U	JPL	MA R	35	02	62	J	204700	4100409	
A	90302			SURFACE TREATMENT	U	JPL	MA R	35	04	61	J	029200	4100424	
A	90302			SURFACE TREATMENT	U	JPL	MA R	35	04	61	J	032000	4100432	
A	90302			SURFACE TREATMENT	U	JPL	MA R	35	04	61	J	017500	4100446	
A	90302			SURFACE TREATMENT	U	JPL	MA R	35	04	61	J	033000	4100447	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R	35	04	61	J	039000	4100474	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R	35	04	61	J	039300	4100483	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R	35	03	61	J	040900	4200588	
B	90302			SURFACE TREATMENT	U	JPL	MA R	35	04	61	J	144100	4400210	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R	35	04	61	J	182600	4600339	
A	90302			SURFACE TREATMENT	U	JPL	MA R	35	04	61	J	206000	4700301	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R	35	04	61	J	221600	4700346	
A	90302			MIRROR FINISH	U	JPL	MA R	35	04	61	J	033500	4800061	
A	90302			MIRROR FINISH	U	JPL	MA R	35	04	61	J	033700	4800062	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R	35	04	61	J	183100	4800314	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R	35	04	61	J	144800	4800314	
A	90302	-1		SURFACE TREATMENT	U	JPL	MA R	35	04	61	J	036200	4800343	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R	35	04	61	J	199700	4800406	
A	90302			MIRROR FINISH	U	JPL	MA R	35	04	61	J	071600	4800410	
A	90302			SURFACE TREATMENT	U	JPL	MA R	35	04	61	J	067800	4800427	
A	90302			SURFACE TREATMENT	U	JPL	MA R	35	04	61	J	069700	4800428	
A	90302			SURFACE TREATMENT	U	JPL	MA R	35	04	61	J	069900	4800429	
A	90302			SURFACE TREAT&HANDLE	U	JPL	MA R	35	04	61	J	203300	4901001	
A	90303			TRANSIPAD INSTALL	U	JPL	MA R	35	02	61	J	083800	4200034	
A	90303			TRANSIPAD	U	JPL	MA R	35	02	61	J	085500	4200049	
A	90303			TRANSIPAD	U	JPL	MA R	35	02	61	J	086900	4200352	
A	90303			TRANSIPAD	U	JPL	MA R	35	02	61	J	047800	4200409	
A	90303			TRANSIPAD INSTL	U	JPL	MA R	35	02	61	J	091100	4200511	
A	90303			TRANSIPAD INSTL	U	JPL	MA R	35	02	61	J	091800	4200512	
A	90303			TRANSIPAD	U	JPL	MA R	35	02	61	J	095000	4200531	
A	90303			TRANSIPAD INSTL	U	JPL	MA R	35	02	61	J	096700	4200541	
A	90303			TRANSIPAD	U	JPL	MA R	35	02	61	J	097400	4200542	
A	90303			TRANSIPAD INSTL	U	JPL	MA R	35	02	61	J	098500	4200551	
A	90303			TRANSIPAD INSTL	U	JPL	MA R	35	02	61	J	099000	4200552	
A	90303			TRANSIPAD INSTL	U	JPL	MA R	35	02	61	J	036400	4800344	

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**DRAWING LIST**

REV	DRAWING NO.	PART NO.	REV	TITLE	U	C	VENDOR CODE	RELEASE FOR		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS		NEXT ASSEMBLY	S
								SERIAL	THRU SER.		NO.	YR.				
A	90303			TRANSIPAD INSTL	U	JPL	MA R			35	02	61	J	193000	4800396	
A	90306			TERMINAL	U	JPL	MA R			35	02	61	J	089200	4200501	
A	90306			TERMINAL	U	JPL	MA R			35	02	61	J	089800	4200502	
A	90306			TERMINAL	U	JPL	MA R			35	02	61	J	096800	4200541	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	03	61	J	083000	4200033	
B	90312			SCREW LOCK MECH	U	JPL	MA R			35	03	61	J	084700	4200053	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	086300	4200351	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	088500	4200503	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	090500	4200513	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	092600	4200523	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	094500	4200533	
C	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	096200	4200543	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	098000	4200553	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	099700	4200563	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	101600	4200573	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	03	61	J	103800	4200580	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	143402	44000003	
B	90312			SCREW LOCK MECH	U	JPL	MA R			35	03	60	J	134000	4400011	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	03	61	J	138800	4400031	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	03	61	J	141400	4400042	
B	90312			SCREW LOCK MECH	U	JPL	MA R			35	03	61	J	185800	4400046	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	01	62	J	143300	4400204	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	168500	4600318	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	03	61	J	182200	4600333	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	189200	4800261	
B	90312			STUD LOCK	U	JPL	MA R			35	03	61	J	195700	4800263	
B	90312			STUD LOCK FEMALE	U	JPL	MA R			35	03	61	J	198800	4800297	
B	90312			STUD LOCK	U	JPL	MA R			35	03	60	J	062900	4800300	
B	90313			MALE LOCK ASSY	U	JPL	MA R			35	03	61	J	083100	4200033	
C	90314			CONNECTOR INSTALL	U	JPL	MA R			35	03	61	J	083200	4200033	
C	90314			CONNECTOR INSTALL	U	JPL	MA R			35	03	61	J	084300	4200038	
C	90314			CONNECTOR INSTALL	U	JPL	MA R			35	03	61	J	084800	4200053	
C	90314			CONNECTOR INSTALL	U	JPL	MA R			35	03	61	J	086400	4200351	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	088600	4200503	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	090600	4200513	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	092700	4200523	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	094600	4200533	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	096300	4200543	
C	90314			CONNECTOR INSTALL	U	JPL	MA R			35	08	61	J	098100	4200553	
C	90314			CONNECTOR	U	JPL	MA R			35	08	61	J	099800	4200563	

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								SERIAL	THRU SER.		NO.	YR.				
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	101700	4200573	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	103900	4200580	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	143403	44000003	
C	90314			CONNECTOR INSTALL	U	JPL	MA R			35	03	61	J	134100	4400011	
C	90314			CONNECTOR INSTALL	U	JPL	MA R			35	03	61	J	138900	4400031	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	141500	4400042	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	185900	4400046	
C	90314			CONNECTOR	U	JPL	MA R			35	01	62	J	143400	4400204	
C	90314			CONNECTOR INSTALL	U	JPL	MA R			35	03	61	J	168600	4600318	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	10	61	J	182300	4600333	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	189300	4800261	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	195800	4800263	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	198400	4800291	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	198505	4800293	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	198900	4800297	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	08	61	J	200100	4800298	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	03	61	J	063000	4800300	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	03	61	J	064300	4800339	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	03	61	J	068300	4800380	
C	90314			CONNECTOR INSTL	U	JPL	MA R			35	03	61	J	071300	4900299	
C	90316			SPECIMEN TENSILE	U	JPL	MA R			35	03	61	J	139000	4400031	
A	90344			WASHER FLAT	U	JPL	MA R			35	03	61	J	033200	4800065	
A	90346	A		SCREW MACH SOCKET HD	U	JPL	MA R			35	09	61	J	011700	4100303	
A	90346	A		SCREW MACH SOCKET HD	U	JPL	MA R			35	09	61	J	011200	4100304	
A	90346			SCREW INTERNAL WRNCH	U	JPL	MA R			35	03	61	J	000600	4100306	
A	90346			SCREW SOCKET HD	U	JPL	MA R			35	03	61	J	007200	4100306	
A	90346	A		SCREW MACH SOCKET HD	U	JPL	MA R			35	09	61	J	010400	4100310	
A	90346			SCREW INT WRENCH	U	JPL	MA R			35	03	62	J	020800	4100375	
A	90346			SCREW IN WRENCHING	U	JPL	MA R			35	03	61	J	021600	4100400	
A	90346			SCREW MACH	U	JPL	MA R			35	03	61	J	183600	4100416	
A	90346			SCREW MACH SOC HEAD	U	JPL	MA R			35	09	61	J	030500	4100419	
A	90346			INTERNAL WRENCHING	U	JPL	MA R			35	03	61	J	032600	4100445	
A	90346			SCREW	U	JPL	MA R			35	03	62	J	029700	4100467	
A	90346			SCREW	U	JPL	MA R			35	09	61	J	037800	4100464	
A	90346			SCREW SOCKET HEAD	U	JPL	MA R			35	03	61	J	041000	4200586	
A	90347			SCREW PAN HD	U	JPL	MA R			35	03	62	J	019200	4100315	
A	90347			SCREW MACH PAN	U	JPL	MA R			35	03	61	J	204000	4100410	
A	90347			SCREW MACH PAN HD	U	JPL	MA R			35	03	61	J	183700	4100416	
A	90347			SCREW MACH PAN HEAD	U	JPL	MA P			35	03	61	J	030600	4100419	
A	90347			SCREW MACH PAN H	U	JPL	MA R			35	03	61	J	075720	4900318	

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DRAWING LIST																	
REV	DRAWING NO.	DATE	TITLE	REV	CLASS	TERMS	RELEASE FOR		REV.	RELEASE DATE		DRAWING CONTROL	STATUS	NEXT ASSEMBLY	REV		
							NO.	ITEM		NO.	YY						
	A 90348		SCREW MACH	U	JPL	MA R	35	03	61	J	011800	4100303					
	A 90348		SCREW MACH 100 D	U	JPL	MA R	35	09	61	J	011300	4100304					
	A 90348		SCREW MACHINE	U	JPL	MA R	35	03	61	J	007300	4100306					
	A 90348		SCREW MACH FLT HD	U	JPL	MA R	35	03	61	J	010500	4100310					
	B 90358		TRANSISTOR INSTALL	U	JPL	MA R	35	06	61	J	134200	4400011					
	B 90358		TRANSISTOR INSTL	U	JPL	MA R	35	06	61	J	139100	4400031					
	B 90362		WASHER FLAT	U	JPL	MA R	35	07	61	J	011400	4100304					
	B 90362		WASHER FLAT INSUL	U	JPL	MA R	35	07	61	J	010600	4100310					
	B 90362		WASHER FLAT INSUL	U	JPL	MA R	35	07	61	J	032700	4100445					
	B 90392		WASHER INSULATION	U	JPL	MA R	35	10	61	J	141600	4400042					
	B 90393		SPACER	U	JPL	MA R	35	10	61	J	141700	4400042					
	B 90394		NUT HEX JAM	U	JPL	MA R	35	11	61	J	000300	4100309					
	B 90398		WASHER SHOULDER INSL	U	JPL	MA R	35	05	62	J	010700	4100310					
	B 90398		WASHER SHOULDER	U	JPL	MA R	35	05	62	J	032800	4100445					
	A 90399		PASS SST	U	JPL	MA R	35	01	62	J	050700	4200840					
	A 90401		PASSIVATION	U	JPL	MA R	35	01	62	J	053600	4200830					
	A 90401		PASSIVATION	U	JPL	MA R	35	01	62	J	051300	4200863					
	A 90410		HUCK RIVET INSTL	U	JPL	MA R	35	04	62	J	011900	4100303					
	D 90568		O RING STANDARD	U	JPL	MA R	35	01	60	J	214500	3137127					
	D 90568		O RING STANDARD	U	JPL	MA R	35	01	60	J	206500	4700304					
	D 90568		O RING STANDARD	U	JPL	MA R	35	01	60	J	218800	4700318					
	D 90568		O RING STANDARD	U	JPL	MA R	35	01	60	J	218100	4700320					
	D 90568		O RING STANDARD	U	JPL	MA R	35	01	60	J	217700	4700321					
	D 90568		O RING STANDARD	U	JPL	MA R	35	01	60	J	213400	4700322					
	D 90568		O RING STANDARD	U	JPL	MA R	35	01	60	J	214300	4700325					
	D 90568		O RING STANDARD	U	JPL	MA R	35	01	60	J	212000	4700326					
	D 90568		O RING STANDARD	U	JPL	MA R	35	01	60	J	216300	4700333					
	D 90568		O RING STANDARD	U	JPL	MA R	35	01	60	J	216900	4700334					
	D 90568		O RING STANDARD	U	JPL	MA R	35	01	60	J	215600	4700335					
	D 90568		O RING STANDARD	U	JPL	MA R	35	01	60	J	219800	4700338					
	B 3151037		SHIM	U	JPL	MA R	35	06	60	J	013000	4100384					
	C 3151049		BRACKET CONNECTOR	U	JPL	MA R	35	11	60	J	000700	4100306					
	C 3151049		BRACKET CONNECTOR	U	JPL	MA R	35	11	60	J	007400	4100306					
	C 3151049		BRACKET CONNECTOR	U	JPL	MA R	35	11	60	J	007900	4100525					
	D 3151066		GROUND PLANE	* U	JPL	MA R	35	01	63	J	026600	4100436					
	C 3151068		B STIFFENER	* U	JPL	MA R	35	01	63	J	026700	4100436					
	C 3151073		C CAP	U	JPL	MA R	35	01	61	J	025900	4100322					
	C 3151078		C PLUG	* U	JPL	MA R	35	01	63	J	027000	4100324					
	C 3151080		E SHELL CONNECTOR	* U	JPL	MA R	35	01	63	J	026100	4100323					
	B 3151087		B STUD THREADED 4 FT	* U	JPL	MA R	35	01	63	J	027900	4100331					
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DRAWING LIST																	
REV	DRAWING NO.	PART NO.	TITLE	REV	CLASS	REVISION CODE	RELEASE FOR		REV	REV DATE	REV DATE		DRAWING CONTROL	STATUS	NEXT ASSEMBLY	REV	
							SERIAL	TYPE EXP			NO.	DATE					NO.
D	3151129		B CONNECTOR ASSEMBLY	U	JPL	MA R			35	05	61	J		021800	4100320		
D	3151130		A BODY	U	JPL	MA R			35	08	60	J		021900	3151129		
B	3151131		A INSULATOR CONN R ANG	*	U	JPL	MA R		35	01	63	J		022000	3151129		
B	3151132		A INSULAT CONN R ANGLE	*	U	JPL	MA R		35	01	63	J		022100	3151129		
B	3151133		B CONTACT R ANGLE CONN	*	U	JPL	MA R		35	01	63	J		022200	3151129		
C	3151135		A COUPLING R ANGLE	*	U	JPL	MA R		35	01	63	J		022300	3151129		
B	3151141		B CAP ASSY	U	JPL	MA R			35	06	61	J		010900	4100310		
B	3151157		B STUD	*	U	JPL	MA R		35	01	63	J		027100	4100324		
B	3151165		A SPACE R ANGLE CONN	*	U	JPL	MA R		35	01	63	J		022400	3151129		
C	3151166		A BUSHING COND R ANGLE	*	U	JPL	MA R		35	01	63	J		022500	3151129		
B	3151174		B NUT PLAIN HEXAGON	*	U	JPL	MA R		35	01	63	J		022600	4100320		
D	3151183		MTG LOC ALIGN DEVICE	U	JPL	MA R			35	09	60	J		012000	4100303		
C	3151193		CLIP ELECT DISCONN	U	JPL	MA R			35	11	60	J		012100	4100303		
C	3151194		B BRACKET EL DISCONN	U	JPL	MA R			35	06	61	J		011000	4100310		
C	3151723		A ANGLE INSIDE	U	JPL	MA R			35	02	62	J		012200	4100303		
C	3151724		A ANGLE FRAME	U	JPL	MA R			35	02	62	J		012300	4100303		
C	3151777		A BRACKET ACTUATOR	U	JPL	MA R			35	03	62	J		012400	4100303		
J	3151781		B HOUSING COAX JT	U	JPL	MA R			35	02	62	J		013200	4100384		
C	3151800		WASHER	U	JPL	MA R			35	03	61	J		206600	4700304		
C	3151800		WASHER	U	JPL	MA R			35	03	61	J		215700	4700335		
B	3151862		A SCREW BUMPER	U	JPL	MA R			35	03	62	J		032200	4100443		
B	3151864		A BRACKET PIVOT ARM	U	JPL	MA R			35	03	62	J		032300	4100443		
D	3151959		B COVER HOUSING	*	U	JPL	MA R		35	09	62	J		011015	3151960		
C	3151960		COVER ASSY HOUSING	*	U	JPL	MA R		35	11	61	J		011010	4100310		
J	3151961		B HOUSING GEAR ASSY	*	U	JPL	MA R		35	01	63	J		013300	4100384		
C	3152595		C SUPPORT PHOTO CELL	U	JPL	MA R			35	11	60	J		046500	4200666		
C	3152596		C SHIELD LIGHT SENSOR	U	JPL	MA R			35	08	62	J		046600	4200666		
D	3158416		A SUBCHASSIS MACHINED	U	JPL	MA R			35	01	61	J		178100	4600327		
D	3158416		A SUBCHASSIS MACHINED	U	JPL	MA R			35	01	61	J		179500	4600326		
D	3158874		B CABLE RETAINING BRKT	U	JPL	MA R			35	04	61	J		183400	4800296		
D	3158874		B CABLE RETAINING BRKT	U	JPL	MA R			35	04	61	J		077800	4900501		
D	3172189		XPONDER CAVITIES 2A3	U	JPL	MA R			35	11	61	J		077900	4900501		
C	3172190		A BRACKET	U	JPL	MA R			35	09	61	J		078200	4600008		
J	3172209		CABLE DETAILS	U	JPL	MA R			35	11	61	J		078000	3172189		
B	4100049		A PIN LOCATING	U	JPL	MA R			35	05	61	J		012500	4100303		
B	4100143		A GUSSET SUPP STRUCTOR	*	U	JPL	MA R		35	01	63	J		023800	4100151		
B	4100143		A GUSSET SUPP STRUCTUR	*	U	JPL	MA R		35	01	63	J		024200	4100152		
D	4100148		A DOUBLER SUPPT STRUCT	*	U	JPL	MA R		35	12	62	J		023600	4100336		
C	4100149		A STIFFENER SUPP STRUT	*	U	JPL	MA R		35	01	63	J		025200	4100335		
B	4100150		A DOUBLER	U	JPL	MA R			35	05	61	J		022800	4100321		
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REV	DRAWING NO.	DATE	REV	TITLE	REV	CODE	RELEASE FOR		REV	DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV		
							MAJOR ITEM	THIRD REV.							
D	4100151		B	CHANL WELDMENT SUPPT	*	U	JPL	MA	R	35	12	62	J	023700	4100336
D	4100152		B	CHANL WELDMENT SUPPT	*	U	JPL	MA	R	35	12	62	J	024100	4100336
D	4100153		A	CHANL SUPPT STRUCT	*	U	JPL	MA	R	35	12	62	J	023900	4100151
D	4100153		A	CHANL SUPPT STRUCT	*	U	JPL	MA	R	35	12	62	J	024300	4100152
J	4100154		A	RING	*	U	JPL	MA	R	35	06	61	J	024500	4100336
C	4100155		A	BRACE PIVOT ARM	*	U	JPL	MA	R	35	01	63	J	024700	4100336
C	4100157		A	ARM PIVOT	*	U	JPL	MA	R	35	01	63	J	025300	4100335
J	4100159		A	REFLECTOR HI GAIN	*	U	JPL	MA	R	35	12	62	J	022900	4100321
B	4100190		A	DOUBLER SPT STRUCT	*	U	JPL	MA	R	35	06	61	J	024000	4100151
B	4100190		A	DOUBLER SPT STRUCT	*	U	JPL	MA	R	35	06	61	J	024400	4100152
B	4100190		A	DOUBLER	*	U	JPL	MA	R	35	06	61	J	023400	4100330
B	4100191		A	DOUBLER RING FLANGE	*	U	JPL	MA	R	35	01	63	J	024600	4100154
D	4100194		A	RING FLANGE INNER	*	U	JPL	MA	R	35	12	62	J	024800	4100336
C	4100195		A	STRIP INNER ANTENNA	*	U	JPL	MA	R	35	01	63	J	023000	4100321
B	4100196		A	DOUBLER RING FLANGE	*	U	JPL	MA	R	35	01	63	J	024900	4100336
D	4100198		A	STRIP OUTER SUPPORT	*	U	JPL	MA	R	35	12	62	J	023100	4100321
C	4100199		A	STRIP RADIAL ANTENNA	*	U	JPL	MA	R	35	01	63	J	023200	4100321
J	4100200		A	LOUVER INSTALLATION	*	U	JPL	MA	R	35	09	61	J	082700	4900501
D	4100201		B	HOUSING ASSEMBLY	*	U	JPL	MA	R	35	12	62	J	200600	4100223
D	4100202		B	HOUSING ASSEMBLY	*	U	JPL	MA	R	35	12	62	J	200900	4100223
C	4100203		B	PLATE LOUVER END	*	U	JPL	MA	R	35	01	63	J	201200	4100223
D	4100204		B	ACTUATOR ASSY LOUVER	*	U	JPL	MA	R	35	01	63	J	183800	4100416
D	4100204		B	ACTUATOR ASSY LOUVER	*	U	JPL	MA	R	35	01	63	J	030700	4100419
B	4100209		STOP		*	U	JPL	MA	R	35	07	61	J	200700	4100201
B	4100209		STOP		*	U	JPL	MA	R	35	07	61	J	201000	4100202
D	4100210		B	LOUVER ASSEMBLY COMP	*	U	JPL	MA	R	35	01	63	J	031000	4100419
D	4100211		B	LOUVER ASSEMBLY	*	U	JPL	MA	R	35	01	63	J	031200	4100210
B	4100212		A	SHAFT	*	U	JPL	MA	R	35	09	61	J	031300	4100210
B	4100212		A	SHAFT	*	U	JPL	MA	R	35	09	61	J	184200	4100220
B	4100213		B	HOUSING TRUST BEARNG	*	U	JPL	MA	R	35	01	63	J	031400	4100210
C	4100214		A	BEARING ASSEMBLY	*	U	JPL	MA	R	35	01	63	J	031500	4100210
C	4100214		A	BEARING ASSEMBLY	*	U	JPL	MA	R	35	01	63	J	184300	4100220
B	4100215		A	SHAFT	*	U	JPL	MA	R	35	01	63	J	031510	4100214
B	4100215		A	SHAFT	*	U	JPL	MA	R	35	01	63	J	184400	4100214
B	4100216		A	RETAINER SELF-LOCK	*	U	JPL	MA	R	35	01	63	J	184500	4100214
B	4100216		A	RETAINER SELF-LOCK	*	U	JPL	MA	R	35	01	63	J	031515	4100214
B	4100217		A	WASHER	*	U	JPL	MA	R	35	01	63	J	031520	4100214
B	4100217		A	WASHER	*	U	JPL	MA	R	35	01	63	J	184600	4100214
B	4100218		A	BEARING	*	U	JPL	MA	R	35	01	63	J	031525	4100214
B	4100218		A	BEARING	*	U	JPL	MA	R	35	07	61	J	184700	4100214

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						MAJOR ITEM	THRU REV		NO.	THU.			
B	4100219		A PAD	*	U	JPL	MA R	35	01	63	J	031530	4100214
B	4100219		A PAD	*	U	JPL	MA R	35	01	63	J	184800	4100214
C	4100220		A LOUVER ASSY	*	U	JPL	MA R	35	09	61	J	184000	4100416
D	4100221		A LOUVER ASSY	*	U	JPL	MA R	35	09	61	J	184900	4100220
B	4100222		A HOUSING	*	U	JPL	MA R	35	09	61	J	185200	4100220
J	4100223		B RACK INSTALLATION	*	U	JPL	MA R	35	01	63	J	200500	4900502
D	4100225		A HOUSING ASSY	*	U	JPL	MA R	35	09	61	J	200800	4100201
B	4100225		A HOUSING ASSEMBLY	*	U	JPL	MA R	35	09	61	J	201100	4100202
B	4100228		A ACTUATOR SPIRAL COIL	*	U	JPL	MA R	35	01	63	J	183900	4100204
B	4100228		A ACTUATOR SPIRAL COIL	*	U	JPL	MA R	35	01	63	J	030900	4100204
B	4100229		A TEE	*	U	JPL	MA R	35	06	61	J	025000	4100336
J	4100303		A HEX STRUCTURE ASSY	*	U	JPL	MA R	35	10	62	J	011500	4100304
J	4100304		A STRUCTURE ASSEMBLY	*	U	JPL	MA R	35	11	62	J	011100	4100310
J	4100306	-1	C SOL PAN PLUS X 4A11	*	U	JPL	MA R	35	11	62	J	000400	4100309
J	4100306	-2	C SOLAR PANEL - X 4A12	*	U	JPL	MA R	35	11	62	J	007100	4100309
J	4100309		A SPACECRAFT ASSEMBLY	*	U	JPL	MA R	35	08	62	J	000100	
J	4100310		A EQUIPMENT ASSEMBLY	*	U	JPL	MA R	35	11	62	J	010300	4100309
B	4100312		A LINK ASSY SOLAR PAN	*	U	JPL	MA R	35	11	61	J	019300	4100315
B	4100313		A END SOL PAN LINK	*	U	JPL	MA R	35	11	61	J	015500	4100304
B	4100314		A SUPPORT SOL PAN LINK	*	U	JPL	MA R	35	11	61	J	019400	4100315
D	4100315		A LINK SOLAR PANEL SPT	*	U	JPL	MA R	35	03	62	J	019100	4100310
A	4100316		A SPACER SOL PAN LINK	*	U	JPL	MA R	35	11	61	J	015600	4100304
A	4100316		A SPACER SOL PAN LINK	*	U	JPL	MA R	35	11	61	J	019500	4100315
J	4100318		A PLATE STA 438-281	*	U	JPL	MA R	35	11	62	J	018715	4100518
J	4100320		B ANTENNA 4FT ASSY	*	U	JPL	MA R	35	12	62	J	021700	4100400
J	4100321		A REFLECT HI GAIN ANTT	*	U	JPL	MA R	35	12	62	J	022700	4100320
J	4100322		A FEED ANT 4FT PARABOL	*	U	JPL	MA R	35	01	62	J	025800	4100320
J	4100323		A OUTER CONDUCTOR ASSY	*	U	JPL	MA R	35	01	63	J	026000	4100322
C	4100324		B INNER CONDUCTOR ASSY	*	U	JPL	MA R	35	01	63	J	026900	4100322
C	4100325		A CONDUCTOR INNER ANTE	*	U	JPL	MA R	35	01	63	J	027200	4100324
B	4100326		A BLOCK SHORTING DIPOL	*	U	JPL	MA R	35	01	63	J	027300	4100324
D	4100327		A CONDUCTOR OUTER ANT	*	U	JPL	MA R	35	01	63	J	026200	4100323
C	4100328		A FEED DIPOLE ELEMENT	*	U	JPL	MA R	35	01	63	J	026300	4100323
B	4100329		A SLEEVE FEED ELEMENT	*	U	JPL	MA R	35	01	63	J	026400	4100323
J	4100330		B SUPPORT PIVOT ARM	*	U	JPL	MA R	35	12	62	J	023300	4100321
C	4100331		A LONGERON ASSY ANT	*	U	JPL	MA R	35	01	62	J	027700	4100320
B	4100332		A LONGERON HI GAIN ANT	*	U	JPL	MA R	35	01	63	J	028000	4100331
B	4100333		A STUD SLOTTED ANT	*	U	JPL	MA R	35	01	63	J	028100	4100331
D	4100334		A HUB SUPPT STRUCT ANT	*	U	JPL	MA R	35	12	62	J	025400	4100335
J	4100335		A HUB ASSY HI GAIN ANT	*	U	JPL	MA R	35	01	62	J	025100	4100336

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REV	DRAWING NO.	REV NO.	REV	TITLE	REV	REV	REV	REV	REV	REV	REV	REV	REV	REV	REV
J	4100336		A	SUPPT STRUCT ASSY	*	U	JPL	MA	R	35	12	62	J	023500	4100321
B	4100337		A	SCREW SHORTING BLOCK	*	U	JPL	MA	R	35	01	63	J	027600	4100322
C	4100338		A	INSULAT PIVOT ARM	*	U	JPL	MA	R	35	01	63	J	025500	4100335
B	4100339		A	INSULAT SLEEVE ANTEN	*	U	JPL	MA	R	35	01	63	J	025600	4100335
J	4100345		A	YOKE EARTH SENS ANTE	*	U	JPL	MA	R	35	10	62	J	028300	4100400
C	4100346		A	DRIVE OUTPUT YOKE	*	U	JPL	MA	R	35	04	62	J	019600	4100310
D	4100347		B	GEAR ASSY		U	JPL	MA	R	35	04	62	J	019700	4100346
D	4100348		A	RING MTG		U	JPL	MA	R	35	01	62	J	019900	4100346
B	4100349			CAP		U	JPL	MA	R	35	11	61	J	020000	4100346
J	4100350			TRUSS SECTION 1 ASSY		U	JPL	MA	R	35	03	62	J	016200	4100304
D	4100356			FITTING TRUSS ASSY		U	JPL	MA	R	35	12	61	J	016900	4100350
B	4100361			INSERT THERM SHIELD		U	JPL	MA	R	35	11	61	J	017700	4100365
D	4100362		A	SHIELD LOUVER HOUSE		U	JPL	MA	R	35	09	62	J	020300	4100363
D	4100362		A	SHIELD LOUVER HOUSE		U	JPL	MA	R	35	09	62	J	020500	4100364
D	4100363		A	SHIELD LOUVER INSTL	*	U	JPL	MA	R	35	09	62	J	020200	4100310
D	4100364		A	SHIELD LOUVER HOUSE	*	U	JPL	MA	R	35	09	62	J	020400	4100310
J	4100365		A	SHIELD THERMAL ASSY		U	JPL	MA	R	35	09	62	J	017600	4100304
B	4100366		A	INSERT THERM SHIELD		U	JPL	MA	R	35	11	61	J	017800	4100365
B	4100367			INSERT RADIOMTR SPT		U	JPL	MA	R	35	11	61	J	017900	4100365
B	4100368			INSERT THERM SHIELD		U	JPL	MA	R	35	11	61	J	018000	4100365
A	4100369			INSERT THERM SHIELD		U	JPL	MA	R	35	11	61	J	018100	4100365
B	4100373			INSERT		U	JPL	MA	R	35	11	61	J	018200	4100365
C	4100374		A	BOLT EYE SOL PANEL		U	JPL	MA	R	35	03	62	J	020900	4100375
J	4100375			UPPER SOL PAN LATCH		U	JPL	MA	R	35	03	62	J	020600	4100310
C	4100376			LINK LATCH SOLAR PAN		U	JPL	MA	R	35	11	61	J	021100	4100375
B	4100377			BRACKET PIN PULLER		U	JPL	MA	R	35	11	61	J	021200	4100375
B	4100378		A	PLATE LATCH SOL PAN		U	JPL	MA	R	35	03	62	J	000800	4100306
B	4100379			CLEVIS SOL PAN LATCH		U	JPL	MA	R	35	11	61	J	018700	4100304
J	4100380		D	SUPPORT A&D SC MACH	*	U	JPL	MA	R	35	01	63	J	012600	4100303
J	4100381		A	SUPPORT B&E SC MACH	*	U	JPL	MA	R	35	03	62	J	012700	4100303
J	4100382		C	SUPPORT A SC MACHING	*	U	JPL	MA	R	35	01	63	J	012800	4100303
J	4100383		A	SUPPORT C SC MACHING	*	U	JPL	MA	R	35	03	62	J	013400	4100384
J	4100384			SUPPORT ANT PIVOT		U	JPL	MA	R	35	11	61	J	012900	4100303
C	4100386		A	FITTING	*	U	JPL	MA	R	35	12	62	J	013500	4100303
C	4100387		A	TUBE	*	U	JPL	MA	R	35	12	62	J	013600	4100303
C	4100388		A	STIFFENER DIAGONAL	*	U	JPL	MA	R	35	12	62	J	013700	4100303
C	4100389		A	BRKT ARMING SWITCH	*	U	JPL	MA	R	35	12	62	J	013800	4100303
D	4100390		A	BACKTIE	*	U	JPL	MA	R	35	12	62	J	013900	4100303
B	4100391		A	TUBE STRUCT K BRACE	*	U	JPL	MA	R	35	12	62	J	014000	4100303
D	4100392		A	BRACKET K BRACE RH	*	U	JPL	MA	R	35	12	62	J	014200	4100303

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D	4100393		A	BRACKET K BRACE LH	*	U	JPL	MA	R	35	12	62	J	014300	4100303		
B	4100394		A	END FITTING STRUCT K	*	U	JPL	MA	R	35	12	62	J	014100	4100391		
C	4100395		A	FITTING TUBE	*	U	JPL	MA	R	35	12	62	J	014400	4100303		
B	4100396		A	BRACKET REF PLATE	*	U	JPL	MA	R	35	12	62	J	014500	4100393		
C	4100397		A	BRKT ARMING SWITCH	*	U	JPL	MA	R	35	12	62	J	014600	4100303		
B	4100399		A	ADAPTER SUN GATE	*	U	JPL	MA	R	35	12	62	J	014700	4100303		
J	4100400		A	YOKE ANTENNA INSTALL	*	U	JPL	MA	R	35	11	62	J	021500	4100310		
D	4100401			POST ASSY ROT COAX		U	JPL	MA	R	35	04	62	J	028400	4100400		
B	4100402			BEARING YOKE		U	JPL	MA	R	35	04	62	J	028600	4100400		
B	4100403			WASHER		U	JPL	MA	R	35	04	62	J	020100	4100346		
A	4100404			WASHER		U	JPL	MA	R	35	04	62	J	019800	4100347		
D	4100406			SHIELD BAY B TO C		U	JPL	MA	R	35	07	62	J	204100	4100410		
D	4100407			SHIELD LOWER		U	JPL	MA	R	35	07	62	J	204200	4100410		
D	4100408			SHIELD BAY E TO F		U	JPL	MA	R	35	07	62	J	204500	4100410		
D	4100409			SHIELD BAY A TO B		U	JPL	MA	R	35	07	62	J	204600	4100410		
J	4100410			SHIELD THERMAL INSTL		U	JPL	MA	R	35	07	62	J	203900	4100309		
D	4100411			SHIELD LWR THERMAL		U	JPL	MA	R	35	07	62	J	204300	4100407		
D	4100412			SHIELD BAY C TO D		U	JPL	MA	R	35	07	62	J	204800	4100410		
D	4100413			SHIELD BAY D TO E		U	JPL	MA	R	35	07	62	J	204900	4100410		
D	4100414			SHIELD BAY F TO A		U	JPL	MA	R	35	07	62	J	205000	4100410		
J	4100416			LOUVER INSTL		U	JPL	MA	R	35	11	61	J	183500	4800296		
B	4100418		A	MIRROR LOUVER ASSY	*	U	JPL	MA	R	35	01	63	J	031600	4100419		
J	4100419		A	LOUVER INSTALLATION	*	U	JPL	MA	R	35	01	63	J	030400	4100310		
C	4100420			MIRROR ASSEMBLY		U	JPL	MA	R	35	04	62	J	028700	4100400		
B	4100421			WASHER LONG RANGE		U	JPL	MA	R	35	04	62	J	028800	4100400		
D	4100422		A	SHADE EARTH SENSOR	*	U	JPL	MA	R	35	09	62	J	028900	4100400		
D	4100423			BOX BAFFLE ASSEMBLY		U	JPL	MA	R	35	01	62	J	029000	4100422		
C	4100424			SHADE DIRECT SUN		U	JPL	MA	R	35	01	62	J	029100	4100422		
C	4100425			BAFFLE SET SHADE		U	JPL	MA	R	35	01	62	J	029300	4100422		
B	4100426			STUD LONG RANGE		U	JPL	MA	R	35	04	62	J	029400	4100400		
D	4100427			SHADE FIXED EARTH		U	JPL	MA	R	35	06	62	J	031800	4100310		
B	4100429		A	MIRROR	*	U	JPL	MA	R	35	01	63	J	031700	4100418		
C	4100430			BRACKET SENSOR		U	JPL	MA	R	35	03	62	J	009000	4100525		
B	4100431			SADDLE PART FLUX DET		U	JPL	MA	R	35	01	62	J	018600	4100270		
B	4100432			SPACER PRIMARY		U	JPL	MA	R	35	05	62	J	031900	4100310		
B	4100434			SPACER COAX HOUSING		U	JPL	MA	R	35	04	62	J	029500	4100400		
B	4100435			RETAINER LATCH		U	JPL	MA	R	35	03	62	J	021400	4100375		
D	4100436		A	GROUND PLANE ASSY	*	U	JPL	MA	R	35	01	63	J	026500	4100323		
D	4100437		A	HUB GROUND PLANE ANT	*	U	JPL	MA	R	35	01	63	J	026800	4100436		
B	4100438		A	INSULATOR HI GAIN	*	U	JPL	MA	R	35	01	63	J	027400	4100374		

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						MAJOR ITEM	THIRD REV.					
C	4100439		DOUBLER PIVOT ARM		U JPL MA R		35	01	62	J	025700	4100336
B	4100440	A	TRANSFORMER COAXIAL	*	U JPL MA R		35	01	63	J	027500	4100324
B	4100441		ACTUATOR SWITCH		U JPL MA R		35	03	62	J	000900	4100306
B	4100441		ACTUATOR SWITCH		U JPL MA R		35	03	62	J	007500	4100306
B	4100442		CLIP MOUNTING MICRO		U JPL MA R		35	03	62	J	205100	4100309
C	4100443		STRUCTURE PIVOT ARM	*	U JPL MA R		35	05	62	J	032100	4100310
J	4100445		ION CHAMBER PARTICLE		U JPL MA R		35	05	62	J	032500	4100310
D	4100447	A	SHADE SUN PARTICLE	*	U JPL MA R		35	09	62	J	032900	4100445
C	4100448		GUIDE CABLE WELDMENT		U JPL MA R		35	03	62	J	001000	4100306
C	4100449	A	SUPP&CABLE CLAMP ASSY		U JPL MA R		35	06	62	J	001200	4100495
C	4100450	A	CLAMP CABLE ASSY		U JPL MA R		35	06	62	J	001300	4100495
C	4100451		BEARING SOL PANEL		U JPL MA R		35	03	62	J	021000	4100374
D	4100454		RADIOMETER GUARD INS	*	U JPL MA R		35	09	62	J	205110	4100309
J	4100455		BLANKET THERMAL INST	*	U JPL MA R		35	12	62	J	037600	4100310
C	4100456		BLANKET THERMAL ASSY		U JPL MA R		35	12	62	J	037620	4100455
C	4100457		SUPPORT ANTENNA	*	U JPL MA R		35	03	62	J	029800	4100462
D	4100458		SHAFT ASSEMBLY ANT		U JPL MA R		35	03	62	J	029900	4100462
C	4100459		TUBE ANTENNA DAMPER		U JPL MA R		35	03	62	J	030000	4100462
B	4100460		BUSHING ANT DAMPER		U JPL MA R		35	03	62	J	030100	4100462
C	4100461		ROOT ANTENNA DAMPER		U JPL MA R		35	03	62	J	030200	4100462
D	4100462		ANT DAMPER INSTALL		U JPL MA R		35	03	62	J	029600	4100400
B	4100463		SPRING COMPRESSION		U JPL MA R		35	07	62	J	038000	4100465
D	4100464		INSTALLATION STABILZ		U JPL MA R		35	07	62	J	037700	4100310
D	4100465		STABILIZER ASSY VERT		U JPL MA R		35	07	62	J	037900	4100464
C	4100466		SOCKET VERT STAB		U JPL MA R		35	07	62	J	038800	4100464
B	4100467		PIN-VERTICAL STABILZ		U JPL MA R		35	07	62	J	038100	4100465
D	4100468		FITTING VERTICAL		U JPL MA R		35	07	62	J	038200	4100465
C	4100469		RETAINER VERTICAL		U JPL MA R		35	07	62	J	038300	4100465
C	4100470		INNER TUBE VERTICAL		U JPL MA R		35	07	62	J	038400	4100465
D	4100471		OUTER TUBE VERTICAL		U JPL MA R		35	07	62	J	038500	4100465
B	4100472		BOOT-VERTICAL STABILZ		U JPL MA R		35	07	62	J	038600	4100465
B	4100473		ROD VERTICAL STABIL		U JPL MA R		35	07	62	J	038700	4100465
B	4100474		SPACER VERTICAL STBL		U JPL MA R		35	07	62	J	038900	4100464
D	4100475		STABILIZER ASSY		U JPL MA R		35	07	62	J	039400	4100483
B	4100476		FITTING HORIZONTAL		U JPL MA R		35	07	62	J	039300	4100464
B	4100477		ADAPTER HORIZONTAL		U JPL MA R		35	07	62	J	039400	4100483
B	4100478		TUBE SUPPORT HORIZON		U JPL MA R		35	07	62	J	039500	4100483
B	4100479		TUBE INNER HORIZONTAL		U JPL MA R		35	07	62	J	040000	4100484
C	4100480		TUBE OUTER HORIZONTAL		U JPL MA R		35	07	62	J	039600	4100483
D	4100481		FITTING ATTACHMENT		U JPL MA R		35	07	62	J	039700	4100483

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REV	DRAWING NO.	PART NO.	TITLE	QTY	REVISION	RELEASE FOR		REV.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	QTY
						MAJOR ITEM	THIRD REV.					
C	4100483		OUTER TUBE ASSEMBLY		U JPL MA R		35	07	62	J	039200	4100475
C	4100484		INNER TUBE ASSY		U JPL MA R		35	07	62	J	039800	4100475
C	4100490		ROD END ASSY		U JPL MA R		35	05	62	J	205200	4100309
C	4100491		HOUSING BEARING		U JPL MA R		35	05	62	J	205300	4100490
B	4100492		BUSHING ROD END		U JPL MA R		35	05	62	J	205400	4100490
B	4100493		INSERT		U JPL MA R		35	05	62	J	205500	4100490
C	4100495		SUPP&CABLE CLAMP ASSY		U JPL MA R		35	06	62	J	001100	4100306
B	4100496		SPACER PYROTECHNIC		U JPL MA R		35	05	62	J	040100	4100310
J	4100498		BRACKET DIODE		U JPL MA R		35	07	62	J	001400	4100306
D	4100498		BRACKET DIODE		U JPL MA R		35	07	62	J	007600	4100306
J	4100501		STRUCTURE MCPD INSTL	*	U JPL MA R		35	05	62	J	014800	4100303
B	4100516		SET SCREW MODIFIED		U JPL MA R		35	05	62	J	205600	4100490
C	4100519		SAIL ASSEMBLY PLUS X		U JPL MA R		35	07	62	J	001500	4100306
C	4100520		BRACKET SUN SENSOR		U JPL MA R		35	07	62	J	001600	4100306
B	4100521		STANDOFF SOL SENSOR		U JPL MA R		35	07	62	J	001700	4100306
B	4100524		PLATE LATCH SOL PAN		U JPL MA R		35	07	62	J	007700	4100306
J	4100525	A	SOLAR PANEL EXTENSN	*	U JPL MA R		35	09	62	J	007800	4100306
J	4190225	A	ATT CONT BOTTLES		U JPL MA R		35	04	62	J	015300	4100303
C	4200002		SUN GATE ASSY		U JPL MA R		35	06	61	J	040200	4100310
J	4200033	D	ACCELEROMETER 7A3	*	U JPL MA R		35	12	62	J	082800	4200204
B	4200348	A	TRANSFORMER		U JPL MA R		35	07	61	J	085900	4200059
D	4200368	C	ATT CONTROL GYRO 7A1	*	U JPL MA R		35	12	62	J	201300	4200502
J	4200419	E	SCHEMATIC DIAGRAM		U JPL MA R		35	03	62	J	104000	4200580
J	4200419	E	SCHEMATIC DIAGRAM		U JPL MA R		35	03	62	J	104200	4200581
J	4200419	E	SCHEMATIC DIAGRAM		U JPL MA R		35	03	62	J	104800	4200582
J	4200419	E	SCHEMATIC DIAGRAM		U JPL MA R		35	03	62	J	105400	4200618
J	4200419	E	SCHEMATIC DIAGRAM		U JPL MA R		35	03	62	J	106000	4200628
J	4200419	E	SCHEMATIC DIAGRAM		U JPL MA R		35	03	62	J	106400	4200637
J	4200419	E	SCHEMATIC DIAGRAM		U JPL MA R		35	03	62	J	106700	4200649
D	4200578	A	TB1 PYROTECHNIC CONT		U JPL MA R		35	01	62	J	104300	4200281
J	4200579	B	CB2 PC PYROTECHNIC		U JPL MA R		35	01	62	J	104900	4200562
D	4200581	A	CB1 ASSY PYROTECHNIC		U JPL MA R		35	01	62	J	104100	4200580
J	4200582	C	CB2 PYROTECHNIC CONT		U JPL MA R		35	04	62	J	104500	4200583
A	4200582	PL	PYROTECHNIC CONT CB2		U JPL MA R		35	04	62	J	105000	4200582
C	4200584		BLOCK RELAY PYROTECH		U JPL MA R		35	12	61	J	105100	4200580
J	4200585	B	SUBCHASS PYRO CONT		U JPL MA R		35	04	62	J	105200	4200580
C	4200617	A	TB3 PYROTECHNIC CONT		U JPL MA R		35	01	62	J	105300	4200618
C	4200618	A	CB3 ASSY PYROTECHNIC		U JPL MA R		35	01	62	J	105300	4200580
C	4200619		TB5 PYROTECHNIC CONT		U JPL MA R		35	12	61	J	105700	4200580

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										REVISION	THIS REV.					
C	4200627		A		TB4 PYROTECHNIC CONT	U	JPL	MA	R		35	01	62	J	106100	4200628
C	4200628				CB4 ASSY PYROTECHNIC	U	JPL	MA	R		35	01	62	J	105900	4200580
C	4200636				TB6 PYROTECHNIC CONT	U	JPL	MA	R		35	01	62	J	106500	4200637
C	4200637				CB6 ASSY	U	JPL	MA	R		35	01	62	J	106300	4200580
C	4200642		A		COVER ALIGNMENT	*	U	JPL	MA	R	35	12	62	J	107000	4900501
C	4200643				LATCHING COLLAR	U	JPL	MA	R		35	05	62	J	046900	4200820
C	4200648				TERMINAL BOARD 7	U	JPL	MA	R		35	04	62	J	106800	4200649
C	4200649				CB #1 PYROTECH CONT	U	JPL	MA	R		35	04	62	J	106600	4200580
B	4200655				SPACER PYROTECHNIC	U	JPL	MA	R		35	04	62	J	106900	4200580
C	4200820				ARMING SWITCH ASSY	U	JPL	MA	R		35	05	62	J	046800	4100310
B	4200821				LANYARD ARMING SW	U	JPL	MA	R		35	05	62	J	047000	4200820
D	4300187		C		TRANSPONDER 2A1	U	JPL	MA	R		35	01	62	J	107100	4900501
D	4300188		C		TRANSPONDER 2A2	U	JPL	MA	R		35	01	62	J	121700	4900501
D	4300194		A		FILTER SUBASSY 2A9	U	JPL	MA	R		35	11	62	J	129200	4900501
D	4300204		C		AUTO PILOT 7A4 SUBAY	*	U	JPL	MA	R	35	12	62	J	131000	4900501
D	4300205		C		ANTENNA & SERVO 7A13	*	U	JPL	MA	R	35	12	62	J	132000	4900501
D	4400000				SUBCHASSIS	*	U	JPL	MA	R	35	02	61	J	143406	4400004
B	4400009				INDUCTOR	U	JPL	MA	R		35	05	61	J	134400	4400011
C	4400014				CHASSIS	U	JPL	MA	R		35	05	61	J	135000	4400013
D	4400017		E		400 CY PWR SUP SCHEM	U	JPL	MA	R		35	03	62	J	136000	4400018
D	4400017		E		400 CY PWR SUP SCHEM	U	JPL	MA	R		35	03	62	J	136700	4400026
D	4400017		E		400 CY PWR SUP SCHEM	U	JPL	MA	R		35	03	62	J	137200	4400029
D	4400017		E		400 CY PWR SUP SCHEM	U	JPL	MA	R		35	03	62	J	137600	4400077
D	4400017		E		400 CY PWR SUP SCHEM	U	JPL	MA	R		35	03	62	J	138000	4400093
D	4400017		E		400 CY PWR SUP SCHEM	U	JPL	MA	R		35	03	62	J	138200	4400211
D	4400017		E		400 CY PWR SUP SCHEM	U	JPL	MA	R		35	06	61	J	136100	4400018
A	4400018	PL			PARTS LIST	U	JPL	MA	R		35	06	61	J	135900	4900501
J	4400018		E		400 CPS PWR AMP 4A8	U	JPL	MA	R		35	06	61	J	136300	4400018
J	4400019		E		SUBCHASS ASSY POWER	U	JPL	MA	R		35	06	61	J	136200	4400018
C	4400025				TRANSISTOR SUBASSY 1	U	JPL	MA	R		35	06	61	J	136600	4400018
C	4400026		A		TRANSISTOR SUBASSY 1	U	JPL	MA	R		35	12	61	J	136600	4400018
C	4400027				INSULATOR POWER SUPP	U	JPL	MA	R		35	06	61	J	136900	4400018
C	4400028				INSULATOR PWR SUPPLY	U	JPL	MA	R		35	06	61	J	137000	4400018
D	4400029				CB1 PWR SUPPLY	U	JPL	MA	R		35	06	61	J	137100	4400018
A	4400029	PL	A		CB1 400 CYC E PWR	U	JPL	MA	R		35	06	61	J	137300	4400029
C	4400030				TRANSISTOR SUPPORT	U	JPL	MA	R		35	06	61	J	136800	4400026
D	4400031		D		POWER SYNCHRO 4A6	U	JPL	MA	R		35	03	62	J	138400	4900501
J	4400036				PCB	U	JPL	MA	R		35	04	61	J	137600	4400031
B	4400049				XFORMER	U	JPL	MA	R		35	05	61	J	186500	4400040
B	4400050				XFORMER	U	JPL	MA	R		35	05	61	J	186600	4400048
J	4400064		A		PC CB5	U	JPL	MA	R		35	07	61	J	188600	4400063

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REV	DRAWING NO	DATE	BY	CHKD	TITLE	U	U	U	U	U	U	U	U	U	U	
D	4400077		A		CB2 PWR SUPPLY	U	JPL	MA	R		35	08	61	J	137500 4400018	
D	4400078				CB1 PWR SUPPLY	U	JPL	MA	R		35	08	61	J	137400 4400029	
D	4400079		A		CB1 PWR SUPPLY	U	JPL	MA	R		35	08	61	J	137800 4400077	
J	4400090		A		PRINTED CIRCUITRY CB	U	JPL	MA	R		35	08	61	J	135800 4400089	
C	4400093				CB3 PWR SUPPLY	U	JPL	MA	R		35	08	61	J	137900 4400018	
J	4400127		C		CHASSIS POWER	*	U	JPL	MA	R		35	12	62	J	143410 4400204
J	4400200		B		BATTERY CHASSIS 4A14	U	JPL	MA	R		35	12	61	J	142800 4900501	
J	4400204		A		CHASSIS POWER ASSY	U	JPL	MA	R		35	01	62	J	143100 4900501	
D	4500045		A		SCHEMATIC	U	JPL	MA	R		35	05	61	J	085700 4200049	
J	4500121		C		CHASSIS ASSY DATA	U	JPL	MA	R		35	01	62	J	144200 4900501	
J	4500122		A		ACTUATOR ASSEMBLY	U	JPL	MA	R		35	03	62	J	059600 4800408	
D	4500123				HOUSING ACTUATOR	U	JPL	MA	R		35	01	62	J	059900 4500122	
D	4500124		A		COVER ACTUATOR	*	U	JPL	MA	R		35	09	62	J	060000 4500122
B	4500125				PLATE A MOUNTING	U	JPL	MA	R		35	01	62	J	060100 4500122	
C	4500126				PLATE B MOUNTING	U	JPL	MA	R		35	01	62	J	060300 4500122	
B	4500127				SHAFT C ACTUATOR	U	JPL	MA	R		35	01	62	J	060400 4500122	
B	4500128				SHAFT D ACTUATOR	U	JPL	MA	R		35	01	62	J	060500 4500122	
B	4500129				SHAFT F ACTUATOR	U	JPL	MA	R		35	01	62	J	060600 4500122	
C	4500130				SHAFT G ACTUATOR	U	JPL	MA	R		35	01	62	J	060700 4500122	
C	4500131				FLEX JOINT	U	JPL	MA	R		35	01	62	J	060800 4500122	
B	4500132		A		LEVER SW ACTUATOR	U	JPL	MA	R		35	04	62	J	060900 4500122	
B	4500133				HOUSING SWIVEL JOINT	U	JPL	MA	R		35	02	62	J	062300 4500142	
B	4500134				MOUNT SWIVEL JOINT	U	JPL	MA	R		35	02	62	J	062400 4500142	
B	4500137				COUPLING ACTUATOR	U	JPL	MA	R		35	01	62	J	060900 4500122	
B	4500138				SPACER FLEX JOINT	U	JPL	MA	R		35	01	62	J	061000 4500122	
B	4500139				POTENTIOMETER	U	JPL	MA	R		35	01	62	J	061100 4500122	
B	4500141				BOLT SWIVEL JOINT	U	JPL	MA	R		35	02	62	J	062500 4500142	
C	4500142				SWIVEL JOINT ASSY	U	JPL	MA	R		35	02	62	J	062200 4800408	
B	4500143		A		SPRING COMP SW LEVER	U	JPL	MA	R		35	04	62	J	061200 4500122	
B	4500144				SPLINE CLUTCH	U	JPL	MA	R		35	01	62	J	061300 4500122	
B	4500145				GEAR BEVEL CLUTCH	U	JPL	MA	R		35	01	62	J	061400 4500122	
B	4500146				SPACER CLUTCH	U	JPL	MA	R		35	01	62	J	061500 4500122	
B	4500147				HUB CLUTCH	U	JPL	MA	R		35	01	62	J	061600 4500122	
B	4500148				FACING CLUTCH	U	JPL	MA	R		35	01	62	J	061700 4500122	
B	4500149				GEAR HEAD	U	JPL	MA	R		35	01	62	J	061800 4500122	
B	4500150				TB1 ACTUATOR	U	JPL	MA	R		35	03	62	J	061900 4500122	
B	4500151				TB2 ACTUATOR	U	JPL	MA	R		35	03	62	J	062000 4500122	
J	4500152		A		SHIELD & CHASSIS ASSY	*	U	JPL	MA	R		35	12	62	J	144210 4500121
J	4500153				A TOP SHIELD ASSY 3	*	U	JPL	MA	R		35	12	62	J	145000 4900501
B	4500154				WASHER	U	JPL	MA	R		35	12	62	J	182700 4600339	

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REV	DRAWING NO.	PART NO.	TITLE	REV	CLASS	REVISION CODE	RELEASE FOR MAJOR REVISION		REV.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV	
							SERIAL	THRU SER.	NO.	YY				
B	4500154		WASHER		U	JPL	MA	R	35	12	61	J	199800	4800406
B	4500154		WASHER		U	JPL	MA	R	35	12	61	J	203400	4901001
D	4600001	B	HOUSING ASSY		U	JPL	MA	R	35	09	62	J	078300	4600008
C	4600004		COVER CATHODE SECT		U	JPL	MA	R	35	03	61	J	078400	4600001
C	4600005	A	COVER PLATE SECT		U	JPL	MA	R	35	03	61	J	078500	4600001
C	4600006	A	SHIELD CATHODE SECT		U	JPL	MA	R	35	07	61	J	078600	4600001
C	4600007	A	SHIELD PLATE SECT		U	JPL	MA	R	35	07	61	J	078700	4600001
J	4600008		XPONDER CAVITIES 2A3		U	JPL	MA	R	35	12	61	J	078100	3172189
B	4600012		TERMINAL		U	JPL	MA	R	35	04	61	J	079000	4600008
B	4600013	A	TERMINAL		U	JPL	MA	R	35	07	61	J	079100	4600008
B	4600014	A	TERMINAL INSULATOR		U	JPL	MA	R	35	04	62	J	079200	4600008
B	4600015		GROUND PLATE		U	JPL	MA	R	35	04	61	J	079300	4600008
B	4600017		B ROD INSULATOR		U	JPL	MA	R	35	04	61	J	079400	4600008
B	4600018		B ROD INSULATOR		U	JPL	MA	R	35	04	61	J	079500	4600008
B	4600019		B ROD		U	JPL	MA	R	35	04	61	J	079600	4600008
B	4600020		OUTPUT PROBE		U	JPL	MA	R	35	04	61	J	079700	4600008
B	4600021		F-2 PLATE INSULATOR		U	JPL	MA	R	35	04	61	J	079800	4600008
B	4600022		F-1 PLATE INSULATOR		U	JPL	MA	R	35	04	61	J	079900	4600008
B	4600023		K-PLATE INSULATOR		U	JPL	MA	R	35	04	61	J	080000	4600008
B	4600024		B ROD		U	JPL	MA	R	35	04	61	J	080100	4600008
B	4600025		INSULATOR		U	JPL	MA	R	35	04	61	J	080200	4600008
B	4600026		B ROD SLEEVING		U	JPL	MA	R	35	04	61	J	080300	4600008
B	4600027		TUNING PROBE		U	JPL	MA	R	35	04	61	J	080400	4600008
B	4600028	A	CATHODE TAP FEMALE		U	JPL	MA	R	35	01	62	J	080500	4600008
C	4600029		F 2 PLATE		U	JPL	MA	R	35	04	61	J	080600	4600008
C	4600030	A	K-PLATE		U	JPL	MA	R	35	01	62	J	080700	4600008
C	4600031	A	F-1 PLATE		U	JPL	MA	R	35	09	61	J	080800	4600008
C	4600032		CATHODE TAP MALE		U	JPL	MA	R	35	04	61	J	080900	4600008
C	4600033		LINE PLATE INSULATOR		U	JPL	MA	R	35	04	61	J	081000	4600008
B	4600034		GROUND PLATE INSERT		U	JPL	MA	R	35	04	61	J	081100	4600008
B	4600035		F-2 INSERT		U	JPL	MA	R	35	04	61	J	081200	4600008
B	4600036		K PLATE INSERT		U	JPL	MA	R	35	04	61	J	081300	4600008
B	4600037		SCREW INSULATOR		U	JPL	MA	R	35	04	61	J	081400	4600008
B	4600038		LINE PLATE INSULATOR		U	JPL	MA	R	35	04	61	J	081500	4600008
C	4600039		LINE PLATE		U	JPL	MA	R	35	04	61	J	081600	4600008
C	4600040		GROUND PLATE		U	JPL	MA	R	35	04	61	J	081700	4600008
C	4600041	A	THERMAL COMPENSATOR	*	U	JPL	MA	R	35	09	62	J	081800	4600008
C	4600042	A	TUNING PROBE HOUSING	*	U	JPL	MA	R	35	09	62	J	081900	4600041
C	4600043	B	TUNING PROBE THERMAL	*	U	JPL	MA	R	35	09	62	J	082000	4600041
B	4600044	A	DRIVE SHAFT THERMAL	*	U	JPL	MA	R	35	09	62	J	082100	4600041

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REV	DRAWING NO.	PART NO.	TITLE	REV	CLASS	WIRING CODE	RELEASE FOR		REV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							SERIAL	THRU SER.		MO.	YR.			
B	4600045	A	TUNING PROBE INSULTR	*	U	JPL	MA	R	35	09	62	J	082200	4600041
B	4600046	A	RETAINING PIN	*	U	JPL	MA	R	35	09	62	J	082300	4600041
D	4600073	B	HOUSING CATHODE SECT		U	JPL	MA	R	35	10	61	J	078800	4600001
D	4600074	B	HOUSING PLATE SECT		U	JPL	MA	R	35	01	62	J	078900	4600001
C	4600161		TRANSDUCER		U	JPL	MA	R	35	09	61	J	143500	4400204
C	4600161		TRANSDUCER		U	JPL	MA	R	35	09	61	J	144300	4500121
C	4600161		TRANSDUCER		U	JPL	MA	R	35	09	61	J	182400	4600333
C	4600161		TRANSDUCER		U	JPL	MA	R	35	09	61	J	189400	4800261
C	4600161		TRANSDUCER		U	JPL	MA	R	35	09	61	J	202500	4900502
C	4600177		SURFACE TEMPERATURE		U	JPL	MA	R	35	09	61	J	204400	4100407
C	4600308	D	COMMD TR CONT 3A3	*	U	JPL	MA	R	35	12	62	J	145100	4900501
D	4600309	D	COMMD DECT B CON 3A2	*	U	JPL	MA	R	35	12	62	J	147700	4900501
C	4600310	D	COMMD DECOD 3A4	*	U	JPL	MA	R	35	12	62	J	158600	4900501
D	4600311	D	COMMAND DETECTOR 3A1	*	U	JPL	MA	R	35	12	62	J	163000	4900501
D	4600313	B	CTRC 6 PWR MON 2A6		U	JPL	MA	R	35	12	61	J	167900	4900501
D	4600322	B	ANAL-DIG CONVTR 6MT1		U	JPL	MA	R	35	12	61	J	169200	4900501
D	4600323	B	LO LEVEL COMPAR 6A1		U	JPL	MA	R	35	12	61	J	170700	4900501
D	4600324	D	COMMUTATOR DECKS 6K2	*	U	JPL	MA	R	35	01	63	J	171700	4900501
D	4600325	D	DECKS 0 1 2 3 6K1	*	U	JPL	MA	R	35	01	63	J	173900	4900501
D	4600326	A	BLIP REGISTERS 6MT4		U	JPL	MA	R	35	11	61	J	176400	4900501
D	4600327	B	TRANSFER REGIST 6MT3		U	JPL	MA	R	35	12	61	J	178000	4900501
D	4600328	C	PN GENERATOR 6MT2		U	JPL	MA	R	35	12	61	J	179400	4900501
D	4600329	B	ENCODER TR 6TR1		U	JPL	MA	R	35	12	61	J	180900	4900501
C	4600330		TEE CONNECTOR		U	JPL	MA	R	35	11	61	J	082500	3172189
B	4600331		STRAP		U	JPL	MA	R	35	11	61	J	082600	3172189
C	4700213	A	SERVO ASSEMBLY	*	U	JPL	MA	R	35	09	62	J	221000	4700343
C	4700332	A	SPIDER TANK NITRO	*	U	JPL	MA	R	35	01	63	J	215200	4700304
D	4800040	A	SUBCHASSIS XPONDER		U	JPL	MA	R	35	10	61	J	107200	4300187
D	4800040	A	SUBCHASSIS XPONDER		U	JPL	MA	R	35	10	61	J	121800	4300188
C	4800076	A	ANGLE CONNECTOR		U	JPL	MA	R	35	09	61	J	143600	4400204
B	4800078	A	CLAMP WIRE	*	U	JPL	MA	R	35	12	62	J	143700	4400204
B	4800078	A	CLAMP WIRE	*	U	JPL	MA	R	35	12	62	J	144500	4500121
B	4800078	A	CLAMP WIRE	*	U	JPL	MA	R	35	12	62	J	182800	4600333
B	4800078	A	CLAMP WIRE	*	U	JPL	MA	R	35	12	62	J	199100	4800257
B	4800078	A	CLAMP WIRE	*	U	JPL	MA	R	35	12	62	J	202600	4900502
B	4800078	A	CLAMP WIRE	*	U	JPL	MA	R	35	12	62	J	203600	4901002
B	4800080	A	CLAMP THERMOCOUPLE	*	U	JPL	MA	R	35	12	62	J	143800	4400204
B	4800080	A	CLAMP THERMOCOUPLE	*	U	JPL	MA	R	35	12	62	J	144600	4500121
B	4800080	A	CLAMP THERMOCOUPLE	*	U	JPL	MA	R	35	12	62	J	182900	4600333
B	4800080	A	CLAMP THERMOCOUPLE	*	U	JPL	MA	R	35	12	62	J	199200	4800257

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SIZE	DRAWING NO.	DSH NO.	REV.	TITLE	CHK	CLAS	VERNO CODE	RELEASE FOR MAJOR ITEM	REPL	PLCSE	DRAWING CONTROL	TEST	STATUS	NEXT ASSEMBLY	S C
								SERIAL	BY	DATE					
B	4800080		A	CLAMP THERMOCOUPLE	*	U	JPL MA R		35	12	62	J	202700	4900502	
B	4800091			SPACER		U	JPL MA R		35	08	62	J	190400	4800290	
B	4800092			WASHER SHOULDER		U	JPL MA R		35	08	62	J	190500	4800290	
B	4800093			WASHER		U	JPL MA R		35	08	62	J	190600	4800290	
B	4800096			WASHER		U	JPL MA R		35	08	62	J	190700	4800290	
J	4800250		B	SCHEMATIC SWEEP AMPL		U	JPL MA R		35	05	62	J	197300	4800363	
J	4800250		B	SCHEMATIC SWEEP AMPL		U	JPL MA R		35	05	62	J	197700	4800366	
J	4800251		C	SCHEMATIC DIAG		U	JPL MA R		35	05	62	J	195900	4800263	
J	4800252		H	SCI PWR SW SUBASSY	*	U	JPL MA R		35	09	62	J	188910	4800296	
A	4800252	PL	F	SCI PWR SWITCHING	*	U	JPL MA R		35	05	62	J	188912	4800252	
D	4800253		H	SCI PWR SW SCHEMATIC	*	U	JPL MA R		35	09	62	J	188914	4800252	
D	4800254		A	SUBCHASSIS	*	U	JPL MA R		35	11	62	J	188916	4800252	
J	4800255		C	PC CBI SCI PWR SW	*	U	JPL MA R		35	04	62	J	188918	4800252	
D	4800256		A	REED CAPACITOR		U	JPL MA R		35	01	62	J	189500	4800261	
J	4800261		B	23A1 PLASMA ELECTRON		U	JPL MA R		35	05	62	J	189000	4800296	
J	4800262		A	RADIOMETER CHASS ASSY		U	JPL MA R		35	12	61	J	063100	4800300	
J	4800263		C	23A2 PROGRAM SUBASSY		U	JPL MA R		35	04	62	J	195500	4800296	
C	4800272			COVER MAGNETOMETER		U	JPL MA R		35	12	62	J	019000	4800257	
D	4800291		A	20A21-20A24		U	JPL MA R		35	12	61	J	198300	4800296	
D	4800293		A	22A2/22A3 MAGNET ENV		U	JPL MA R		35	11	61	J	198500	4800296	
D	4800298		B	DATA CONDITION 20A25		U	JPL MA R		35	12	61	J	200000	4800296	
C	4800314			ANGLE CONNECTOR		U	JPL MA R		35	11	61	J	183000	4800333	
B	4800326		A	RISEB CLAMP WIRE NO2	*	U	JPL MA R		35	12	62	J	199400	4800297	
D	4800340			SUBCHASSIS DATA COND		U	JPL MA R		35	11	61	J	200200	4800298	
J	4800341			SCHEMATIC DIAG		U	JPL MA R		35	05	62	J	193100	4800396	
J	4800341			SCHEMATIC DIAG		U	JPL MA R		35	05	62	J	194300	4800402	
J	4800345		B	SCHEMATIC		U	JPL MA R		35	04	62	J	036800	4800352	
C	4800348		A	END SENSITIVE 213 GM	*	U	JPL MA R		35	09	62	J	037100	4800352	
C	4800375			ACTUATOR WIRING		U	JPL MA R		35	03	62	J	062100	4500122	
D	4800378			22KMC SW ASSY ENV		U	JPL MA R		35	05	62	J	068200	4800300	
D	4800379			15KMC SW ASSY ENV		U	JPL MA R		35	06	62	J	068100	4800300	
D	4800380		A	ENV ELECT UNIT SUBAY	*	U	JPL MA R		35	09	62	J	068200	4800300	
C	4800382			DIRECTIONAL COUP ENV		U	JPL MA R		35	06	62	J	068200	4800300	
A	4800402	PL	A	CB4 ASSY PLASMA ELEC		U	JPL MA R		35	05	62	J	194400	4800402	
B	4800405			WASHER SHOULDER		U	JPL MA R		35	01	62	J	194700	4800261	
J	4800408			RADIOMETER INSTALL		U	JPL MA R		35	01	62	J	059400	4100310	
B	4800409			SHIM SWIVEL JOINT		U	JPL MA R		35	02	62	J	071400	4800408	
C	4800410			SHIELD SUN ACTUATOR		U	JPL MA R		35	01	62	J	071500	4800408	
B	4800411			SPACER SUN SHIELD		U	JPL MA R		35	01	62	J	071700	4800408	
C	4800418			TRANSFORMER SHIELD		U	JPL MA R		35	01	62	J	194800	4800261	

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DRAWING LIST															
SIC	DRAWING NO.	REV	TITLE	CHK	CLAS	VERNO	RELEASE FOR	REPL	PLCSE	DRAWING	TEST				
						CODE	SERIAL	BY	DATE	STATUS	ASSEMBLY				
B	4800477		TERMINAL BOARD		U	JPL	MA R	35	05	62	J	195000	4800261		
B	4800477		TERMINAL BOARD		U	JPL	MA R	35	05	62	J	195200	4800261		
B	4800478		TERMINAL BOARD		U	JPL	MA R	35	05	62	J	195100	4800261		
B	4800478		TERMINAL BOARD		U	JPL	MA R	35	05	62	J	195300	4800261		
B	4800479		TERMINAL BOARD		U	JPL	MA R	35	05	62	J	195400	4800261		
C	4800497		SCHEMATIC DIAGRAM		U	JPL	MA R	35	07	62	J	065100	4800492		
D	4900033	A	SUBCHASS MACHINED		U	JPL	MA R	35	06	62	J	181000	4600329		
J	4900039		SUBCHASSIS MACHINED		U	JPL	MA R	35	07	61	J	145200	4600308		
J	4900039		SUBCHASSIS MACHINED		U	JPL	MA R	35	07	61	J	147800	4600309		
J	4900039		SUBCHASSIS MACHINED		U	JPL	MA R	35	07	61	J	158700	4600310		
J	4900039		SUBCHASSIS MACHINED		U	JPL	MA R	35	07	61	J	163100	4600311		
B	4900229	A	2W1 COAX CABLE ASSY		U	JPL	MA R	35	01	62	J	009800	4900229		
B	4900230	A	2W2 COAX CABLE ASSY		U	JPL	MA R	35	01	62	J	005900	4900225		
B	4900231		COAX		U	JPL	MA R	35	01	62	J	006000	4900225		
B	4900232		2W4 COAX CABLE ASSY		U	JPL	MA R	35	01	62	J	075400	4900256		
B	4900233		2W5 COAX CABLE ASSY		U	JPL	MA R	35	01	62	J	075900	4900256		
B	4900234		2W6 COAX CABLE ASSY		U	JPL	MA R	35	01	62	J	075600	4900256		
C	4900236		9W10 INTERCONN SUBAY		U	JPL	MA R	35	05	62	J	220400	4700302		
C	4900237		9W11 INTERCONN SUBAY		U	JPL	MA R	35	05	62	J	220500	4700302		
D	4900238		9W12 INTERCONN		U	JPL	MA R	35	05	62	J	220600	4700302		
B	4900241		9W31 CABLE ASSY		U	JPL	MA R	35	03	62	J	070400	4800300		
B	4900242		9W34 CABLE A		U	JPL	MA R	35	03	62	J	070500	4800300		
B	4900243		CABLE ASSY 9W32 COAX	*	U	JPL	MA R	35	11	62	J	070400	4900247		
B	4900244		CABLE ASSY 9W33 COAX	*	U	JPL	MA R	35	11	62	J	071000	4900247		
B	4900245		CABLE ASSY 9W35 COAX	*	U	JPL	MA R	35	11	62	J	071000	4900247		
J	4900249		WIRING SOL PAN 4A12	*	U	JPL	MA R	35	11	62	J	069400	4900226		
J	4900252		9W1 CABLE INSTL	*	U	JPL	MA R	35	11	62	J	075700	4900256		
J	4900253		9W1 RING HARNESS	*	U	JPL	MA R	35	11	62	J	075712	4900252		
D	4900255		WIRING HARNESS 9W21	*	U	JPL	MA R	35	11	62	J	075800	4900256		
J	4900258	A	WIRING HARNESS 9W2	*	U	JPL	MA R	35	11	62	J	075900	4900256		
J	4900259		WIRING HARNESS 9W3	*	U	JPL	MA R	35	11	62	J	076000	4900256		
J	4900260		SPACECRAFT CABLING	*	U	JPL	MA R	35	11	62	J	076100	4900256		
J	4900261		WIRING HARNESS 9W4	*	U	JPL	MA R	35	11	62	J	076200	4900256		
J	4900262		9W5 WIRING HARNESS	*	U	JPL	MA R	35	11	62	J	076300	4900256		
J	4900263		WIRING HARNESS 9W6	*	U	JPL	MA R	35	11	62	J	076400	4900256		
J	4900264		WIRING HARNESS 9W7	*	U	JPL	MA R	35	11	62	J	076500	4900256		
D	4900265		WIRING HARNESS 9W8	*	U	JPL	MA R	35	11	62	J	076600	4900256		
J	4900266		WIRING HARNESS 9W9	*	U	JPL	MA R	35	11	62	J	076700	4900256		
J	4900268		WIRING HARNESS 9W20	*	U	JPL	MA R	35	11	62	J	076900	4900256		
C	4900269		WIRING HARNESS 9W22	*	U	JPL	MA R	35	11	62	J	077000	4900256		

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D	DRAWING NO.	REV.	TITLE	Q	Q	Q	Q	Q	Q	Q	Q
D	4900270		WIRING HARNESS 9W23	*	U	JPL	MA R	35	11	62	J
C	4900271		9W1 TB1 TB ASSEMBLY	*	U	JPL	MA R	35	11	62	J
D	4900272		9W40 WIRING HARNESS	*	U	JPL	MA R	35	11	62	J
C	4900273		WIRING HARNESS 9W14	*	U	JPL	MA R	35	11	62	J
J	4900274		WIRING HARNESS 9W24	*	U	JPL	MA R	35	11	62	J
D	4900276		S/C CABLING FLOW DGM	*	U	JPL	MA R	35	11	62	J
	4900277		GROUNDING DGM	*	U	JPL	MA R	35	11	62	J
D	4900299	B	ENVL 27A1 INFRA RED	*	U	JPL	MA R	35	09	62	J
J	4900300	A	TROUGH SECTION ASSY	*	U	JPL	MA R	35	12	62	J
J	4900300	A	TROUGH SECTION ASSY	*	U	JPL	MA R	35	12	62	J
J	4900300	A	TROUGH SECTION ASSY	*	U	JPL	MA R	35	12	62	J
J	4900300	A	TROUGH SECTION ASSY	*	U	JPL	MA R	35	12	62	J
C	4900301	A	GUSSET TROUGH	*	U	JPL	MA R	35	12	62	J
J	4900301	A	GUSSET TROUGH	*	U	JPL	MA R	35	12	62	J
J	4900301	A	GUSSET TROUGH	*	U	JPL	MA R	35	12	62	J
C	4900301	A	GUSSET TROUGH	*	U	JPL	MA R	35	12	62	J
C	4900301	A	GUSSET TROUGH	*	U	JPL	MA R	35	12	62	J
J	4900301	A	GUSSET TROUGH	*	U	JPL	MA R	35	12	62	J
C	4900301	A	GUSSET TROUGH	*	U	JPL	MA R	35	12	62	J
B	4900302	A	SHIM TROUGH HARNESS	*	U	JPL	MA R	35	12	62	J
C	4900303	A	STIFFENER TROUGH	*	U	JPL	MA R	35	12	62	J
B	4900304	A	HANGER TROUGH	*	U	JPL	MA R	35	01	62	J
J	4900305	A	TROUGH SECTION ASSY	*	U	JPL	MA R	35	12	62	J
B	4900307	A	STRAP TROUGH HARNESS	*	U	JPL	MA R	35	01	62	J
C	4900308	A	CONNECTR BRKT TROUGH	*	U	JPL	MA R	35	01	62	J
C	4900308	A	CONNECTR BRKT TROUGH	*	U	JPL	MA R	35	01	62	J
B	4900309	A	TIE PLATE TROUGH	*	U	JPL	MA R	35	12	62	J
C	4900310	A	GUSSET TROUGH	*	U	JPL	MA R	35	12	62	J
D	4900311	A	TROUGH SECT ASSY BAY6	*	U	JPL	MA R	35	12	62	J
J	4900312	A	TROUGH SECTION ASSY	*	U	JPL	MA R	35	12	62	J
J	4900313	A	TROUGH SECT ASSY BAY5	*	U	JPL	MA R	35	12	62	J
J	4900314	A	TROUGH SECTION ASSY	*	U	JPL	MA R	35	12	62	J
J	4900315	A	TROUGH SECT ASSY	*	U	JPL	MA R	35	10	62	J
J	4900316	A	TROUGH SECTION ASSY	*	U	JPL	MA R	35	12	62	J
C	4900318	A	GUSSET TROUGH	*	U	JPL	MA R	35	12	62	J
C	4900319	A	GUSSET TROUGH	*	U	JPL	MA R	35	12	62	J
C	4900320	A	GUSSET TROUGH	*	U	JPL	MA R	35	12	62	J
C	4900321	A	CONNECTOR BRKT LEG A	*	U	JPL	MA R	35	12	62	J
C	4900322	A	CONNECTOR BRKT LEG C	*	U	JPL	MA R	35	12	62	J
B	4900323	A	SUPT STRAP CABLE CLD	*	U	JPL	MA R	35	12	62	J
J	4900501	C	PACKAGING ASSEMBLY	*	U	JPL	MA R	35	02	62	J

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D	DRAWING NO.	REV.	TITLE	Q	Q	Q	Q	Q	Q	Q	Q
D	4900503		HINGE PIN	*	U	JPL	MA R	35	10	61	J
D	4900503		HINGE PIN	*	U	JPL	MA R	35	10	61	J
D	4900503		HINGE PIN	*	U	JPL	MA R	35	10	61	J
D	4900503		HINGE PIN	*	U	JPL	MA R	35	10	61	J
D	4900503		HINGE PIN ELECT BOX	*	U	JPL	MA R	35	10	61	J
D	4900504		HINGE INSTALLATION	*	U	JPL	MA R	35	10	61	J
C	4900505	A	BRACKET DA-15 CONN	*	U	JPL	MA R	35	12	62	J
J	4901001	B	SHIELD CHASS ASSY	*	U	JPL	MA R	35	12	62	J
C	4901002	A	SOLAR CELL ASSY	*	U	JPL	MA R	35	02	62	J
C	4901003	A	TERMINAL BD SOL CELL	*	U	JPL	MA R	35	02	62	J
B	V100017		SCREW-MACHINE	*	U	RYN	MA R	35	04	62	J
B	V100017		SCREW-MACHINE ROUND	*	U	RYN	MA R	35	04	62	J
J	V100050	D	SOLAR PANEL	*	U	RYN	MA R	35	10	62	J
J	V100050	D	SOLAR PANEL	*	U	RYN	MA R	35	10	62	J
C	V100051		SPLICE STRIP CENTRAL	*	U	RYN	MA R	35	04	62	J
C	V100051		SPLICE STRIP CENTRAL	*	U	RYN	MA R	35	04	62	J
B	V100052	B	BUSHING	*	U	RYN	MA R	35	01	63	J
B	V100052	B	BUSHING	*	U	RYN	MA R	35	01	63	J
D	V100053		DOUBLER ASSY	*	U	RYN	MA R	35	04	62	J
D	V100053		DOUBLER ASSY	*	U	RYN	MA R	35	04	62	J
J	V100057	E	BEAM ASSY	*	U	RYN	MA R	35	01	63	J
D	V100057	E	BEAM ASSY	*	U	RYN	MA R	35	01	63	J
D	V100059		GUIDE RAMP SHROUD	*	U	RYN	MA R	35	04	62	J
D	V100059		GUIDE RAMP SHROUD	*	U	RYN	MA R	35	04	62	J
D	V100061		RAMP GUIDE SOLAR PAN	*	U	RYN	MA R	35	04	62	J
D	V100061		RAMP GUIDE SOLAR PNL	*	U	RYN	MA R	35	04	62	J
J	V100062		SOLAR PANEL	*	U	RYN	MA R	35	10	62	J

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**DRAWING LIST**

C	DRAWING NO.	DATE	REV	TITLE	C	CLASS	REVISION	RELEASE FOR		REV	DATE	DRAWING CONTROL STATUS	MEET ASSEMBLY	C
								MAJOR ITEM	THRU REV					
C	3134311			NEEDLE	U	JPL	MA R			38	11-59	J	218900	4700318
C	3134311		B	NEEDLE	U	JPL	MA R			38	11-59	J	213500	4700322
C	3134311		B	NEEDLE	U	JPL	MA R			38	11-59	J	217000	4700334
C	3134501			PLUG	U	JPL	MA R			38	10-59	J	219900	4700338
C	3134573			UNION	U	JPL	MA R			38	06-60	J	212100	4700326
D	3137127		C	BODY VALVE ASSEMBLY	U	JPL	MA R			38	06-62	J	214400	4700325
C	3152162		C	NEEDLE VALVE BLEED	*	U	JPL	MA R		38	10-62	J	041410	4200592
D	3153000		C	ENGINE ROCKET ASSY	U	JPL	MA R			38	07-61	J	207100	4700311
D	3153010		A	ENGINE WELDMENT	U	JPL	MA R			38	03-61	J	207200	3153000
J	3153011		C	INJECTOR ASSEMBLY	*	U	JPL	MA R		38	10-62	J	207300	3153010
B	3153012		B	CLOSURE	U	JPL	MA R			38	04-61	J	207800	3153032
B	3153013		B	NOZZLE SPRAY PROPP	U	JPL	MA R			38	04-61	J	207900	3153032
B	3153014		A	NOZZLE SPRAY OXIDZR	U	JPL	MA R			38	10-60	J	209000	3153035
C	3153015		D	SCREEN	U	JPL	MA R			38	12-61	J	209400	3153019
C	3153015		D	SCREEN	U	JPL	MA R			38	12-61	J	208200	3153022
C	3153015		D	SCREEN	U	JPL	MA R			38	12-61	J	208600	3153026
C	3153015		D	SCREEN	U	JPL	MA R			38	12-61	J	207500	3153030
D	3153016		D	DOVE INJECTOR	U	JPL	MA R			38	05-61	J	208000	3153032
C	3153017		B	SHELL	U	JPL	MA R			38	05-61	J	209800	3153034
C	3153019		B	NOZZLE WELDMENT	U	JPL	MA R			38	05-61	J	209300	3153033
D	3153020		A	NOZZLE	U	JPL	MA R			38	03-61	J	209500	3153019
B	3153021		B	ROD SUPPORT	U	JPL	MA R			38	04-61	J	209600	3153019
C	3153022		A	TUBE PROPELLANT	U	JPL	MA R			38	12-60	J	208100	3153032
C	3153023		A	TUBE SECTION FWD	U	JPL	MA R			38	04-61	J	208300	3153022
C	3153024		A	TUBE FLANGE SECT	U	JPL	MA R			38	12-61	J	208400	3153021
C	3153026		A	TUBE OXIDIZER WELD	U	JPL	MA R			38	05-60	J	208500	3153032
B	3153027		A	TUBE OXIDIZER SECTN	U	JPL	MA R			38	04-61	J	209100	3153035
B	3153028		A	TUBE OXIDIZER	U	JPL	MA R			38	08-60	J	208700	3153026
B	3153029		A	FLANGE OXIDIZER BLNK	U	JPL	MA R			38	08-60	J	208900	3153032
C	3153030		A	INJECTOR WELDMENT	U	JPL	MA R			38	03-61	J	207400	3153011
C	3153031		B	INJECTOR COATED	U	JPL	MA R			38	03-61	J	207600	3153030
D	3153032		A	INJECTOR WELDMENT	U	JPL	MA R			38	03-61	J	207700	3153031
D	3153033		C	SHELL WELDMENT	U	JPL	MA R			38	05-61	J	209200	3153010
C	3153034		A	SHELL COATED	U	JPL	MA R			38	10-60	J	209700	3153033
B	3153035		A	TUBE OXIDIZER SECTN	U	JPL	MA R			38	05-60	J	208800	3153026
D	3157103		C	SUPPORT CONT ASSY	U	JPL	MA R			38	09-61	J	210100	4700310
C	3157116		A	ROD SUPPORT	U	JPL	MA R			38	05-61	J	210300	3157117
D	3157117		A	SUPPORT CONT WELDMNT	U	JPL	MA R			38	05-61	J	210200	3157103
D	3157118		A	FORWARD RING	U	JPL	MA R			38	05-61	J	210400	3157117
C	3157119		A	SPIDER TANK NITROGEN	U	JPL	MA R			38	09-60	J	215300	4700332

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C	DRAWING NO.	DATE	REV	TITLE	C	CLASS	REVISION	RELEASE FOR		REV	DATE	DRAWING CONTROL STATUS	MEET ASSEMBLY	C
								MAJOR ITEM	THRU REV					
D	3157132		A	STRUT CONT SUPPORT	U	JPL	MA R			38	06-61	J	210600	4700310
C	3157133		A	STRUT WELDMENT	U	JPL	MA R			38	05-61	J	210700	3157132
C	3157134		A	TONGUE BLANK	U	JPL	MA R			38	05-61	J	210800	3157133
C	3157135		A	CLEVIS BLANK	U	JPL	MA R			38	05-61	J	210900	3157133
B	3157136		A	TUBE	U	JPL	MA R			38	05-61	J	211000	3157133
D	3157137		A	ANGLE RING	U	JPL	MA R			38	05-61	J	210500	3157117
B	3157138		A	PTN CLEVIS	U	JPL	MA R			38	05-61	J	211100	4700310
C	3157508			PLUG	U	JPL	MA R			38	11-61	J	220000	4700338
C	3157522		A	RING LOCK	U	JPL	MA R			38	09-61	J	218200	4700320
B	3157523		A	GASKET	U	JPL	MA R			38	09-60	J	206900	4700305
J	3157526		A	BLADDER	U	JPL	MA R			38	04-61	J	218400	4700319
C	3157539		B	GAUGE VISUAL	U	JPL	MA R			38	11-60	J	215800	4700335
C	3157540		A	GAUGE VISUAL PRESSUR	U	JPL	MA R			38	09-60	J	217800	4700321
D	3157543		B	BODY	U	JPL	MA R			38	10-61	J	216400	4700333
J	3157544		A	BODY	U	JPL	MA R			38	10-61	J	220100	4700338
D	3157546		D	REGULATOR PNEV PRESS	U	JPL	MA R			38	01-62	J	215900	4700335
C	3157547		A	GAUGE VISUAL PRESS	U	JPL	MA R			38	09-60	J	212200	4700326
C	3157548		A	REDUCER PRESSURE	U	JPL	MA R			38	07-61	J	216000	4700335
C	3157549		B	TRANSDUCER PRESSURE	U	JPL	MA R			38	07-61	J	217900	4700321
C	3157550		B	PLATE BACKUP	U	JPL	MA R			38	07-61	J	212300	4700326
D	3157552		A	CAP VALVE	U	JPL	MA R			38	12-60	J	213600	4700322
D	3157553		A	CAP FILL	U	JPL	MA R			38	04-60	J	213700	4700322
C	3157554		A	SLEEVE FITTING	U	JPL	MA R			38	04-60	J	212700	4700307
C	3157558		A	DIAPHRAGM BURST	U	JPL	MA R			38	07-61	J	212400	4700326
C	3157560		A	TUBE	U	JPL	MA R			38	09-60	J	213800	4700322
J	3157562		A	FITTING	U	JPL	MA R			38	09-60	J	217100	4700334
B	3157563		A	GASKET	U	JPL	MA R			38	09-60	J	214000	3157565
B	3157563		A	GASKET	U	JPL	MA R			38	09-60	J	214100	3157562
B	3157563		A	GASKET	U	JPL	MA R			38	09-60	J	214100	3157565
C	3157564		A	CAP	U	JPL	MA R			38	09-60	J	214100	3157565
C	3157564		A	CAP	U	JPL	MA R			38	09-60	J	217400	3157565
C	3157564		A	CAP	U	JPL	MA R			38	09-60	J	219200	3157565
C	3157565		A	CAP NEEDLE ASSY	U	JPL	MA R			38	09-60	J	219000	4700318
C	3157565		A	CAP NEEDLE ASSY	U	JPL	MA R			38	09-60	J	212900	4700222
C	3157565		A	CAP NEEDLE ASSY	U	JPL	MA R			38	09-60	J	217200	4700334
C	3157572		A	BAFFLE	U	JPL	MA R			38	07-61	J	219300	4700316
C	3157574		A	RING FILTER BACKUP	U	JPL	MA R			38	07-61	J	216100	4700335
D	3157810		A	RING SERVO MOUNT	U	JPL	MA R			38	09-60	J	220800	4700343
B	3157811		B	INSULATOR SHEET	U	JPL	MA R			38	05-61	J	220900	4700343
C	3157812		A	SERVO	U	JPL	MA R			38	02-60	J	222100	4700215

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## DRAWING LIST

REV	DRAWING NO.	PART NO.	CAT.	TITLE	QTY	LUM	TENDR CODE	RELEASE FOR MAINT ITEM		REV.	RELEASE DATE		DRAWING CONTROL STATUS		NEXT ASSEMBLY	Z	
								SERIAL	THRU SER.		NO.	YE.					
B	3157813			SCREW SET			U	JPL	MA	R	38	09	60	J	221200	4700213	
C	3157816			SHIELD THERMAL			U	JPL	MA	R	38	06	61	J	206100	4700301	
B	3177120		A	STUD SLOTTED			U	JPL	MA	R	38	05	61	J	215400	4700332	
B	4201044			BUSHING BOTTLE BRCKT	*		U	JPL	MA	R	38	10	62	J	043850	4200588	
D	4700188		A	VANE	*		U	JPL	MA	R	38	09	62	J	221300	4700213	
J	4700300			UNIT MIDCOURSE PROP			U	JPL	MA	R	38	02	62	J	205700	4100309	
J	4700301			UNIT MIDCOURSE PROP			U	JPL	MA	R	38	02	62	J	205800	4700300	
J	4700303			FUEL SYS INSTALLATION			U	JPL	MA	R	38	02	62	J	206300	4700302	
J	4700304			NITROGEN SYS MIDCOUR			U	JPL	MA	R	38	02	62	J	206400	4700303	
J	4700305			START SYS MIDCOURSE			U	JPL	MA	R	38	02	62	J	206700	4700304	
D	4700306			TUBE RESERVOIR OXID			U	JPL	MA	R	38	09	61	J	212800	4700307	
D	4700307		A	RESERVOIR OXIDIZER			U	JPL	MA	R	38	02	62	J	212500	4700326	
J	4700308			PLATE MOUNTING			U	JPL	MA	R	38	10	61	J	211300	4700312	
J	4700309			BRACKET MTG MCPU			U	JPL	MA	R	38	10	61	J	015200	4100501	
J	4700310			STRUCTURE ASSEMBLY			U	JPL	MA	R	38	02	62	J	209900	4700311	
J	4700311			ENG MIDCOURSE PROPUL			U	JPL	MA	R	38	02	62	J	207000	4700305	
J	4700312		A	PLATE MOUNTING ASSY			U	JPL	MA	R	38	10	61	J	211200	4700310	
C	4700313			BRACKET CONN ELEC			U	JPL	MA	R	38	10	61	J	211500	4700310	
C	4700314			BRACKET CONN ELEC			U	JPL	MA	R	38	10	61	J	211600	4700310	
D	4700315			BRACKET TANK FUEL			U	JPL	MA	R	38	10	61	J	211700	4700310	
J	4700317			BODY MANIFOLD TANK			U	JPL	MA	R	38	11	61	J	219400	4700318	
J	4700318			MANIFOLD TANK FUEL			U	JPL	MA	R	38	02	62	J	218500	4700317	
J	4700319			BLADDER TANK FUEL			U	JPL	MA	R	38	02	62	J	218300	4700320	
J	4700320			TANK FUEL ASSEMBLY			U	JPL	MA	R	38	02	62	J	218000	4700321	
J	4700321			FUEL SYSTEM ASSEMBLY			U	JPL	MA	R	38	02	62	J	217600	4700303	
C	4700322			RESERVOIR GN2 WELDMT			U	JPL	MA	R	38	02	62	J	213100	4700323	
C	4700323		A	RESERVOIR GN2 IGNITT			U	JPL	MA	R	38	02	62	J	213000	4700326	
D	4700324			PRIMER CHAMBER ASSY			U	JPL	MA	R	38	01	62	J	214600	4700325	
D	4700324			PRIMER CHAMBER ASSY			U	JPL	MA	R	38	01	62	J	216500	4700333	
U	4700324			PRIMER CHAMBER ASSY			U	JPL	MA	R	38	01	62	J	220200	4700338	
J	4700325		A	VALVE EXPLOSIVE ASSY			U	JPL	MA	R	38	06	62	J	214200	4700326	
D	4700326		A	CARTRIDGE OXIDIZER			U	JPL	MA	R	38	06	62	J	211800	4700305	
D	4700327			BLOCK PILLOW			U	JPL	MA	R	38	02	62	J	214800	4700305	
C	4700328			BRACKET			U	JPL	MA	R	38	02	62	J	214900	4700305	
B	4700329			SPACER TUBE			U	JPL	MA	R	38	02	62	J	215000	4700305	
C	4700330			BRACKET TUBE			U	JPL	MA	R	38	02	62	J	215100	4700305	
C	4700333			VALVE 2WAY NITROGEN			U	JPL	MA	R	38	02	62	J	216200	4700335	
D	4700334			FITTING NITROGEN TNK			U	JPL	MA	R	38	02	62	J	216600	4700335	
J	4700335			NITROGEN SYSTEM ASSY			U	JPL	MA	R	38	02	62	J	215500	4700304	
D	4700336			SHELL TANK NITROGEN			U	JPL	MA	R	38	02	62	J	217500	4700304	

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*C. Mariner R* 1962 Drawing List:  
Offset (Generation Breakdown)



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**DRAWING LIST, OFFSET**

REV.	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. CCL.	SEQUENCE NUMBER
									SERIAL	THRU, SER.			
	SPACECRAFT ASSEMBLY	J4100309							MA R				100
	BOLT HEX HD		A 90286						MA R		4100309	2	200
	NUT HEX JAM		B 90394						MA R		4100309	2	300
	SOL PAN PLUS X 4A11		J4100306	-1					MA R		4100309	2	400
	SPACER			B 90068					MA R		4100306	3	500
	SCREW INTERNAL WRNCH		A 90346						MA R		4100306	3	600
	BRACKET CONNECTOR		C3151049						MA R		4100306	3	700
	PLATE LATCH SOL PAN		B4100378						MA R		4100306	3	800
	ACTUATOR SWITCH		B4100441						MA R		4100306	3	900
	GUIDE CABLE WELDMENT		C4100448						MA R		4100306	3	1000
	SUPP&CABLE CLAMP ASSY		C4100495						MA R		4100306	3	1100
	SUPP&CABLE CLAMP ASSY			C4100449					MA R		4100495	4	1200
	CLAMP CABLE ASSY			C4100450					MA R		4100495	4	1300
	BRACKET DIODE		D4100498						MA R		4100306	3	1400
	SAIL ASSEMBLY PLUS X		C4100519						MA R		4100306	3	1500
	BRACKET SUN SENSOR		C4100520						MA R		4100306	3	1600
	STANDOFF SOL SENSOR		B4100521						MA R		4100306	3	1700
	SEC SUN SENSOR		D4200668						MA R		4100306	3	1800
	BRACKET SEC SUN SENS			D4200669					MA R		4200668	4	1900
	CELL ASSEMBLY E E			D4200671					MA R		4200668	4	2000
	MASK				D4200673				MA R		4200671	5	2100
	IB SECONDARY SUN SEN			D4200672					MA R		4200668	4	2200
	SUN SENSOR ASSEMBLY		C4200673						MA R		4100306	3	2300
	COVER			B3152417					MA R		4200673	4	2400
	IB SECOND SON SENSOR			C3152423					MA R		4200673	4	3100
	HOUSING SUN SENSOR			D3152426					MA R		4200673	4	3200
	CELL B E H&K CELLS			B3172586					MA R		4200673	4	3210
	MASK SUN SENSOR				B3152424				MA R		3172586	5	3220
	CELL-FLAT D CELL			B3172588					MA R		4200673	4	3230
	MASK FLAT SUN SENSOR				B3152425				MA R		3172588	5	3240
	CELL C CELL ASSEMBLY			B3172590					MA R		4200673	4	3250
	MASK SUN SENSOR 40				B3152485				MA R		3172590	5	3260
	ANTENNA DIPOLE		C4600076						MA R		4100306	3	3300
	WASHER REINFORCEMENT			C4600052					MA R		4600076	4	3400
	BODY ASSEMBLY			C4600077					MA R		4600076	4	3500
	BOARD CIRCUIT DI-PLE				C4600078				MA R		4600077	5	3510
	ART WORK DI-POLE					C4600079			MA R		4600078	5	3520
	GUSSET				B4600087				MA R		4600077	5	3530
	COLUMN				B4600088				MA R		4600077	5	3540
	CAP CENTER CONDUCTOR				B4600089				MA R		4600076	4	3600

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REV.	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. CCL.	SEQUENCE NUMBER
									SERIAL	THRU, SER.			
	PLATE REINFORCEMENT				B4600151				MA R		4600076	4	3700
	ANTENNA COMMAND			C4600097					MA R		4100306	3	3800
	WASHER REINFORCEMENT				C4600052				MA R		4600097	4	3900
	PLATE REINFORCEMENT				B4600053				MA R		4600097	4	4000
	CAP CENTER CONDUCTOR				B4600089				MA R		4600097	4	4100
	BODY ASSEMBLY				C4600098				MA R		4600097	4	4200
	COLUMN TURNSTILE ANT				B4600056				MA R		4600098	5	4300
	RIB LONG ELEMENT				B4600057				MA R		4600098	5	4400
	RIB SHORT ELEMENT				B4600058				MA R		4600098	5	4500
	RING SUPPORT				B4600059				MA R		4600098	5	4600
	CONDUCTOR ASSY ANT				C4600080				MA R		4600098	5	4700
	BASE					C4600081			MA R		4600080	6	4800
	BASE PLATE						B4600082		MA R		4600081	7	4900
	CONDUCTOR						B4600083		MA R		4600081	7	5000
	BUSHING						B4600084		MA R		4600081	7	5100
	CONNECTOR RF MOD					B4600085			MA R		4600080	6	5200
	CONDUCTOR CENTER					B4600086			MA R		4600080	6	5300
	CB COMMAND ANTENNA					C4600099			MA R		4600098	5	5400
	PC TURNSTILE ANT						B4600060		MA R		4600099	6	5500
	CABLE INSTL 4A11		J4900225						MA R		4100306	3	5600
	SCHEMATIC DIAG 4A11				B4900227				MA R		4900225	4	5700
	2W1 COAX CABLE ASSY				B4900229				MA R		4900225	4	5800
	2W2 COAX CABLE ASSY				B4900230				MA R		4900225	4	5900
	COAX				B4900231				MA R		4900225	4	6000
	WIRING 4A11 SOL PANL				J4900248				MA R		4900225	4	6100
	CD ANTENNA CPLR 2A19			61510022					MA R		4100306	3	6200
	SOLAR PANEL		JV100050						MA R		4100306	3	6300
	SCREW-MACHINE				BV100017				MA R		V100050	4	6400
	SPLICE STRIP CENTRAL				BV100051				MA R		V100050	4	6500
	BUSHING				BV100052				MA R		V100050	4	6600
	DOUBLER ASSY				DV100053				MA R		V100050	4	6700
	BEAM ASSY				DV100057				MA R		V100050	4	6800
	GUIDE RAMP SHROUD				DV100059				MA R		V100050	4	6900
	RAMP GUIDE SOLAR PAN				DV100061				MA R		V100050	4	7000
	SOLAR PANEL - X 4A12		J4100306	-2					MA R		4100309	2	7100
	SCREW SOCKET HD			A 90346					MA R		4100306	3	7200
	SCREW MACHINE			A 90348					MA R		4100306	3	7300
	BRACKET CONNECTOR			C3151049					MA R		4100306	3	7400
	ACTUATOR SWITCH			B4100441					MA R		4100306	3	7500
	BRACKET DIODE			D4100498					MA R		4100306	3	7600

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									SERIAL	THRU, SER.			
	PLATE LATCH SOL PAN			84100524		J4100525			MA R		4100306	3	7700
A	SOLAR PANEL EXTENS								MA R		4100306	5	7800
B	BRACKET CONNECTOR				C3151049				MA R		4100525	4	7900
B	SENSOR SUN				C3172585				MA R		4100525	4	8000
A	HOUSING SUN SENSOR					03152416			MA R		3172584	5	8100
	COVER					B3152417			MA R		3172584	5	8200
B	CELL B E H&K CELLS					B3172586			MA R		3172584	5	8300
B	MASK SUN SENSOR 15					B3152424			MA R		3172586	6	8400
B	CELL I CELL ASSEMBLY					B3172587			MA R		3172584	5	8500
B	MASK SUN SENSOR 40					B3152485			MA R		3172587	6	8600
B	CELL J CELL ASSEMBLY					B3172589			MA R		3172584	5	8700
B	MASK SUN SENSOR 40					B3152485			MA R		3172589	6	8800
A	1B SECOND SUN SENSOR					M3152423			MA R		3172584	5	8900
A	HOUSING SUN SENSOR				M3152426				MA R		4200673	4	3200
	BRACKET SENSOR					C4100430			MA R		4100525	4	9000
	SOLAR PANEL					JV100062			MA R		4100525	4	9100
B	CABLING -X AXIS 4A12			J4900226					MA R		4100306	3	9200
	SCHEMATIC DIAG 4A12				D4900228				MA R		4900226	4	9300
B	WIRING SOL PAN 4A12				J4900249				MA R		4900226	4	9400
D	SOLAR PANEL			JV100050					MA R		4100306	3	9500
	SCREW-MACHINE ROUND				BV100017				MA R		V100050	4	9600
	SPLICE STRIP CENTRAL				CV100051				MA R		V100050	4	9700
B	BUSHING				BV100052				MA R		V100050	4	9800
	DOUBLER ASSY				DV100053				MA R		V100050	4	9900
E	BEAM ASSY				DV100057				MA R		V100050	4	10000
	GUIDE RAMP SHROUD				DV100059				MA R		V100050	4	10100
A	RAMP GUIDE SOLAR PNL				DV100061				MA R		V100050	4	10200
A	EQUIPMENT ASSEMBLY		J4100310						MA R		4100309	2	10300
A	SCREW MACH SOCKET HD			A 90346					MA R		4100310	3	10400
	SCREW MACH FLT HD			A 90348					MA R		4100310	3	10500
	WASHER FLAT INSUL			B 90362					MA R		4100310	3	10600
	WASHER SHOULDER INSUL			B 90398					MA R		4100310	3	10700
B	CAP ASSY			B3151141					MA R		4100310	3	10900
B	BRACKET EL DISCONN			C3151194					MA R		4100310	3	11000
	COVER ASSY HOUSING			C3151960					MA R		4100310	3	11010
B	COVER HOUSING				D3151959				MA R		3151960	4	11015
A	VALVE STEM				A4200028				MA R		3151960	4	11020
A	STRUCTURE ASSEMBLY			J4100304					MA R		4100310	3	11100
A	SCREW MACH SOCKET HD				A 90346				MA R		4100304	4	11200
A	SCREW MACH 100 D				A 90348				MA R		4100304	4	11300

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									SERIAL	THRU, SER.			
	WASHER FLAT				B 90362				MA R		4100304	4	11400
	HEX STRUCTURE ASSY				J4100303				MA R		4100304	4	11500
A	BOLT HEX HEAD					A 90286			MA R		4100303	5	11600
A	SCREW MACH SOCKET HD					A 90346			MA R		4100303	5	11700
	SCREW MACH					A 90348			MA R		4100303	5	11800
	HUCK RIVET INSTL					A 90410			MA R		4100303	5	11900
	MTG LOC ALIGN DEVICE					D3151183			MA R		4100303	5	12000
	CLIP ELECT DISCONN					C3151193			MA R		4100303	5	12100
A	ANGLE INSIDE					C3151723			MA R		4100303	5	12200
A	ANGLE FRAME					C3151724			MA R		4100303	5	12300
A	BRACKET ACTUATOR					C3151777			MA R		4100303	5	12400
	PIN LOCATING					B4100049			MA R		4100303	5	12500
D	SUPPORT AGD SC MACH					J4100380			MA R		4100303	5	12600
A	SUPPORT BGE SC MACH					J4100381			MA R		4100303	5	12700
C	SUPPORT A SC MACHING					J4100382			MA R		4100303	5	12800
	SUPPORT ANT PIVOT					J4100384			MA R		4100303	5	12900
	SHIM						B3151037		MA R		4100384	6	13000
F	HOUSING GEAR ASSY						J3151118		MA R		4100384	6	13100
B	HOUSING COAX JT						J3151781		MA R		4100384	6	13200
B	HOUSING GEAR ASSY						J3151961		MA R		4100384	6	13300
A	SUPPORT C SC MACHING						J4100383		MA R		4100384	6	13400
A	FITTING					C4100386			MA R		4100303	5	13500
A	TUBE					C4100387			MA R		4100303	5	13600
A	STIFFENER DIAGONAL					C4100388			MA R		4100303	5	13700
A	BRKT ARMING SWITCH					C4100389			MA R		4100303	5	13800
A	BACKTIE					D4100390			MA R		4100303	5	13900
A	TUBE STRUCT K BRACE					B4100391			MA R		4100303	5	14000
A	END FITTING STRUCT K						B4100394		MA R		4100391	6	14100
A	BRACKET K BRACE RH					D4100392			MA R		4100303	5	14200
A	BRACKET K BRACE LH					D4100393			MA R		4100303	5	14300
A	FITTING TUBE					C4100395			MA R		4100303	5	14400
A	BRACKET REF PLATE					B4100396			MA R		4100303	5	14500
A	BRKT ARMING SWITCH					C4100397			MA R		4100303	5	14600
A	ADAPTER SUN GATE					B4100399			MA R		4100303	5	14700
	STRUCTURE MCPU INSTL					J4100501			MA R		4100303	5	14800
	STRUT MCPU						B4100502		MA R		4100501	6	14900
	JOINT MCPU						C4100503		MA R		4100501	6	15000
	FOOT MCPU						C4100504		MA R		4100501	6	15100
A	BRACKET MTG MCPU						J4700309		MA R		4100501	6	15200
A	ATT CONT BOTTLES								MA R		4100303	5	15300

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									SERIAL	THRU. SER.			
A	BRACKET SOL YAW JETS					C4200595			MA R		4100303	5	15400
	END SOL PAN LINK				B4100313				MA R		4100304	4	15500
A	SPACER SOL PAN LINK							A4100316	MA R		4100304	8	15600
A	TRUSS SECTION 3 ASSY				J4100340				MA R		4100304	4	15800
A	TUBE SUPERSTRUCTURE					D4100317			MA R		4100340	5	15900
B	FITTING TRUSS SECT 3					C4100341			MA R		4100340	5	16000
A	FITTING TRUSS SEC 3					D4100342			MA R		4100340	5	16100
A	TRUSS SECTION 1 ASSY				J4100350				MA R		4100304	4	16200
A	TUBE SUPERSTRUCTURE					D4100317			MA R		4100350	5	16300
A	FITTING TRUSS SEC 1					J4100351			MA R		4100350	5	16400
A	FITTING TRUSS SEC 1					D4100352			MA R		4100350	5	16500
A	FITTING TRUSS SEC 1					D4100353			MA R		4100350	5	16600
A	BRKT INFRA RED RADIM					C4100354			MA R		4100350	5	16700
A	GUSSET TRUSS SEC 1					C4100355			MA R		4100350	5	16800
A	FITTING TRUSS ASSY					D4100356			MA R		4100350	5	16900
A	TRUSS SECTION 2 ASSY				J4100360				MA R		4100304	4	17000
A	TUBE SUPERSTRUCTURE					D4100317			MA R		4100360	5	17100
A	FITTING TRUSS SEC 2					D4100358			MA R		4100360	5	17200
A	FITTING TRUSS LOWER					D4100359			MA R		4100360	5	17300
A	BRACKET TRUSS					B4100446			MA R		4100360	5	17400
	SURFACE TREATMENT						A 90302		MA R		4100446	6	17500
A	SHIELD THERMAL ASSY				J4100365				MA R		4100304	4	17600
	INSERT THERM SHIELD					B4100361			MA R		4100365	5	17700
	INSERT THERM SHIELD					B4100366			MA R		4100365	5	17800
	INSERT RADIOMTR SPY					B4100367			MA R		4100365	5	17900
	INSERT THERM SHIELD					B4100368			MA R		4100365	5	18000
	INSERT THERM SHIELD					A4100369			MA R		4100365	5	18100
	INSERT					B4100373			MA R		4100365	5	18200
B	PLATE ASSY SUPERSTRU				J4100370				MA R		4100304	4	18300
A	JOINT PLATE SUPERSTR					D4100371			MA R		4100370	5	18400
A	JOINT PLATE SUPERSTR					C4100372			MA R		4100370	5	18500
A	SADDLE PART FLUX DET					B4100431			MA R		4100370	5	18600
A	CLEVIS SOL PAN LATCH				B4100379				MA R		4100304	4	18700
A	PLATE STA 438.281					J4100318			MA R		4100518	5	18715
A	MAGNETMETER SUPP ASY				J4800257				MA R		4100304	4	18800
A	RING MOUNTING					J4100311			MA R		4800257	5	18900
A	COVER MAGNETOMETER					C4800272			MA R		4800257	5	19000
A	LINK SOLAR PANEL SPT			D4100315					MA R		4100310	3	19100
A	SCREW PAN HD				A 90347				MA R		4100315	4	19200
A	LINK ASSY SOLAR PAN				B4100312				MA R		4100315	4	19300

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									SERIAL	THRU. SER.			
	SUPPORT SOL PAN LINK				B4100314				MA R		4100315	4	19400
	SPACER SOL PAN LINK				A4100316				MA R		4100315	4	19500
B	LATCH ASSY				D0158100				MA R		4100315	4	19510
A	DRIVE OUTPUT YOKE			C4100346					MA R		4100310	3	19600
B	GEAR ASSY				D4100347				MA R		4100346	4	19700
A	WASHER					A4100404			MA R		4100347	5	19800
A	RING MTG								MA R		4100346	4	19900
	CAP				D4100348				MA R		4100346	4	20000
	WASHER				B4100349				MA R		4100346	4	20100
A	SHIELD LOUVER INSTL			D4100363					MA R		4100310	3	20200
A	SHIELD LOUVER HOUSE				D4100362				MA R		4100363	4	20300
A	SHIELD LOUVER HOUSE			D4100364					MA R		4100310	3	20400
A	SHIELD LOUVER HOUSE				D4100362				MA R		4100364	4	20500
A	UPPER SOL PAN LATCH			4100375					MA R		4100310	3	20600
	BOLT HEX HEAD				A 90286				MA R		4100375	4	20700
	SCREW INT WRENCH				A 90346				MA R		4100375	4	20800
A	BOLT EYE SOL PANEL				C4100374				MA R		4100375	4	20900
	BEARING SOL PANEL					C4100451			MA R		4100374	5	21000
	LINK LATCH SOLAR PAN				C4100376				MA R		4100375	4	21100
	BRACKET PIN PULLER				B4100377				MA R		4100375	4	21200
	SURFACE TREATMENT					A 90302			MA R		4100377	5	21300
	RETAINER LATCH				B4100435				MA R		4100375	4	21400
A	YOKE ANTENNA INSTALL			J4100400					MA R		4100310	3	21500
	SCREW IN WRENCHING				A 90346				MA R		4100400	4	21600
B	ANTENNA 4FT ASSY				J4100320				MA R		4100400	4	21700
B	CONNECTOR ASSEMBLY					D3151129			MA R		4100320	5	21800
A	BODY					D3151130			MA R		3151129	6	21900
A	INSULATOR CONN R ANG					B3151131			MA R		3151129	6	22000
A	INSULAT CONN R ANGLE					B3151132			MA R		3151129	6	22100
B	CONTACT R ANGLE CONN					B3151133			MA R		3151129	6	22200
A	COUPLING R ANGLE					C3151135			MA R		3151129	6	22300
A	SPACE R ANGLE CONN					B3151165			MA R		3151129	6	22400
A	BUSHING COND R ANGLE					C3151166			MA R		3151129	6	22500
B	NUT PLAIN HEXAGON					B3151174			MA R		4100320	5	22600
A	REFLECT HI GAIN ANTI				J4100321				MA R		4100321	6	22700
	DOUBLER					B4100150			MA R		4100321	6	22800
A	REFLECTOR HI GAIN					J4100159			MA R		4100321	6	22900
A	STRIP INNER ANTENNA					C4100195			MA R		4100321	6	23000
A	STRIP OUTER SUPPORT					D4100198			MA R		4100321	6	23100
A	STRIP RADIAL ANTENNA					C4100199			MA R		4100321	6	23200

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									SERIAL	THRU. SER.			
B	SUPPORT PIVOT ARM						J4100330		MA	R	4100321	6	23300
A	DOUBLER							B4100190	MA	R	4100330	7	23400
A	SUPPT STRUCT ASSY						J4100336		MA	R	4100321	6	23500
A	DOUBLER SUPPT STRUCT							D4100148	MA	R	4100336	7	23600
B	CHANL WELDMENT SUPPT							D4100151	MA	R	4100336	7	23700
A	GUSSET SUPP STRUCTOR							B4100143	MA	R	4100151	8	23800
A	CHANL SUPPY STRUCT							D4100153	MA	R	4100151	8	23900
A	DOUBLER SPT STRUCT							B4100190	MA	R	4100151	8	24000
B	CHANL WELDMENT SUPPY							D4100152	MA	R	4100336	7	24100
A	GUSSET SUPP STRUCTUR							B4100143	MA	R	4100152	8	24200
A	CHANL SUPPY STRUCT							D4100153	MA	R	4100152	8	24300
A	DOUBLER SPT STRUCT							B4100190	MA	R	4100152	8	24400
A	RING							J4100154	MA	R	4100336	7	24500
A	DOUBLER RING FLANGE							B4100191	MA	R	4100154	8	24600
A	BRACE PIVOT ARM							C4100155	MA	R	4100336	7	24700
A	RING FLANGE INNER							D4100194	MA	R	4100336	7	24800
A	DOUBLER RING FLANGE							B4100196	MA	R	4100336	7	24900
A	TEE							B4100229	MA	R	4100336	7	25000
A	HUB ASSY HI GAIN ANT							J4100335	MA	R	4100336	7	25100
A	STIFFENER SUPP STRUT							C4100149	MA	R	4100335	8	25200
A	ARM PIVOT							C4100157	MA	R	4100335	8	25300
A	HUB SUPPT STRUCT ANT							D4100334	MA	R	4100335	8	25400
A	INSULAT PIVOT ARM							C4100338	MA	R	4100335	8	25500
A	INSULAT SLEEVE ANTEN							B4100339	MA	R	4100335	8	25600
	DOUBLER PIVOT ARM							C4100439	MA	R	4100336	7	25700
	FEED ANT 4FT PARABOL					J4100322			MA	R	4100320	5	25800
C	CAP						C3151073		MA	R	4100322	6	25900
A	OUTER CONDUCTOR ASSY						J4100323		MA	R	4100322	6	26000
E	SHELL CONNECTOR							C3151080	MA	R	4100323	7	26100
A	CONDUCTOR OUTER ANT							D4100327	MA	R	4100323	7	26200
A	FEED DIPOLE ELEMENT							C4100328	MA	R	4100323	7	26300
A	SLEEVE FEED ELEMENT							B4100329	MA	R	4100323	7	26400
A	GROUND PLANE ASSY							D4100436	MA	R	4100323	7	26500
C	GROUND PLANE							C3151066	MA	R	4100436	8	26600
B	STIFFENER							C3151068	MA	R	4100436	8	26700
A	HUB GROUND PLANE ANT							D4100437	MA	R	4100436	8	26800
B	INNER CONDUCTOR ASSY						C4100324		MA	R	4100322	6	26900
C	PLUG							C3151078	MA	R	4100324	7	27000
B	STUD							B3151157	MA	R	4100324	7	27100
A	CONDUCTOR INNER ANTE							C4100325	MA	R	4100324	7	27200

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									SERIAL	THRU. SER.			
A	BLOCK SHORTING DIPOL							B4100326	MA	R	4100324	7	27300
A	INSULATOR HI GAIN							B4100438	MA	R	4100324	7	27400
A	TRANSFORMER COAXIAL							B4100440	MA	R	4100324	7	27500
A	SCREW SHORTING BLOCK							B4100337	MA	R	4100322	6	27600
	LONGERON ASSY ANT					C4100331			MA	R	4100320	5	27700
	ADHESIVE						A 90091		MA	R	4100331	6	27800
B	STUD THREADED 4 FT						B3151087		MA	R	4100331	6	27900
A	LONGERON HI GAIN ANT						B4100332		MA	R	4100331	6	28000
A	STUD SCOTTED ANT						B4100333		MA	R	4100331	6	28100
	GROUND WIRE ASSEMBLY					B4900254			MA	R	4100320	5	28200
A	YOKE EARTH SENS ANTE				J4100345				MA	R	4100400	4	28300
	POST ASSY ROT COAX				D4100401				MA	R	4100400	4	28400
A	SURFACE TREATMENT					A 90302			MA	R	4100401	5	28500
	BEARING YOKE				B4100402				MA	R	4100400	4	28600
	MIRROR ASSEMBLY				C4100420				MA	R	4100400	4	28700
	WASHER LONG RANGE				B4100421				MA	R	4100400	4	28800
A	SHADE EARTH SENSOR				D4100422				MA	R	4100400	4	28900
	BOX BAFFLE ASSEMBLY					D4100423			MA	R	4100422	5	29000
	SHADE DIRECT SUN					C4100424			MA	R	4100422	5	29100
	SURFACE TREATMENT						A 90302		MA	R	4100424	6	29200
	BAFFLE SET SHADE					C4100425			MA	R	4100422	5	29300
	STUD LONG RANGE				B4100426				MA	R	4100400	4	29400
	SPACER COAX HOUSING				B4100434				MA	R	4100400	4	29500
	ANT DAMPER INSTALL				D4100462				MA	R	4100400	4	29600
	SCREW					A 90346			MA	R	4100462	5	29700
	SUPPORT ANTENNA					C4100457			MA	R	4100462	5	29800
	SHAFT ASSEMBLY ANT					D4100458			MA	R	4100462	5	29900
	TUBE ANTENNA DAMPER					C4100459			MA	R	4100462	5	30000
	BUSHING ANT DAMPER					B4100460			MA	R	4100462	5	30100
	BOOT ANTENNA DAMPER					C4100461			MA	R	4100462	5	30200
	GROUND WIRE ASSY					B4900257			MA	R	4100400	4	30300
A	LOUVER INSTALLATION			J4100419					MA	R	4100310	3	30400
	SCREW MACH SOC HEAD				A 90346				MA	R	4100419	4	30500
	SCREW MACH PAN HEAD				A 90347				MA	R	4100419	4	30600
B	ACTUATOR ASSY LOUVER				D4100204				MA	R	4100419	4	30700
	SURFACE TREAT					A 90302			MA	R	4100204	5	30800
A	ACTUATOR SPIRAL COIL					D4100228			MA	R	4100204	5	30900
B	LOUVER ASSEMBLY COMP				D4100210				MA	R	4100419	4	31000
	SURFACE TREATMENT					A 90302			MA	R	4100210	5	31100
B	LOUVER ASSEMBLY					D4100211			MA	R	4100210	5	31200

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REV.	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE	THRU. SER.	NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
A	SHAFT					B4100212			MA R		4100210	5	31300
B	HOUSING TRUST BEARNG					B4100213			MA R		4100210	5	31400
A	BEARING ASSEMBLY					C4100214			MA R		4100210	5	31500
A	SHAFT						B4100215		MA R		4100214	6	31510
A	RETAINER SELF-LOCK						B4100216		MA R		4100214	6	31515
A	WASHER						B4100217		MA R		4100214	6	31520
A	BEARING						B4100218		MA R		4100214	6	31525
A	PAD						B4100219		MA R		4100214	6	31530
A	MIRROR LOUVER ASSY				B4100418				MA R		4100419	4	31600
A	MIRROR					B4100429			MA R		4100418	5	31700
A	SHADE FIXED EARTH			D4100427					MA R		4100310	3	31800
A	SPACER PRIMARY			B4100432					MA R		4100310	3	31900
A	SURFACE TREATMENT				A 90302				MA R		4100432	4	32000
A	STRUCTURE PIVOT ARM			C4100443					MA R		4100310	3	32100
A	SCREW BUMPER				B3151862				MA R		4100443	4	32200
A	BRACKET PIVOT ARM				B3151864				MA R		4100443	4	32300
A	TUBE PIVOT ARM SUPP				B4100444				MA R		4100443	4	32400
A	ION CHAMBER PARTICLE			J4100445					MA R		4100310	3	32500
A	INTERNAL WRENCHING				A 90346				MA R		4100445	4	32600
A	WASHER FLAT INSUL				B 90362				MA R		4100445	4	32700
A	WASHER SHOULDER				B 90398				MA R		4100445	4	32800
A	SHADE SUN PARTICLE				D4100447				MA R		4100445	4	32900
A	SURFACE TREATMENT				A 90302				MA R		4100447	5	33000
A	IONIZATION CHAMBER				D4800065				MA R		4100445	4	33100
A	WASHER FLAT					A 90344			MA R		4800065	5	33200
A	GASKET SEAL					B3155543			MA R		4800065	5	33300
A	SUPPORT RING PRE-AMP					B4800061			MA R		4800065	5	33400
A	MIRROR FINISH						A 90302		MA R		4800061	6	33500
A	COVER PRE-AMPL					B4800062			MA R		4800065	5	33600
A	MIRROR FINISH						A 90302		MA R		4800062	6	33700
A	ION CHAMB STRUCT ASY					C4800063			MA R		4800065	5	33800
C	SHELL HALF UPPER						C3155003		MA R		4800063	6	33900
C	SHELL HALF LOWER						C3155004		MA R		4800063	6	34000
C	TUBING						B3155005		MA R		4800063	6	34100
B	DOUBLER TUBING						B3155009		MA R		4800063	6	34200
B	DOUBLER						B3155010		MA R		4800063	6	34300
B	DOUBLER NECK						B3155011		MA R		4800063	6	34400
B	NECK CHAMBER						B4800064		MA R		4800063	6	34500
B	CB1 PRE-AMPLIFIER					J4800069			MA R		4800065	5	34600
B	ADHESIVE						A 90091		MA R		4800069	6	34700

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A	TRANSIPAD						A 90127		MA R		4800069	6	34800
A	PC PRE-AMPLIFIER						C4800068		MA R		4800069	6	34900
A	QUARTZ INTEGRAT ASSY					C4800083			MA R		4800065	5	35000
A	CUP MOUNTING						B3155540		MA R		4800083	6	35100
A	SPIDER						B3155541		MA R		4800083	6	35200
A	CAN SHIELDING						B3155544		MA R		4800083	6	35300
A	QUARTZ						B3155545		MA R		4800083	6	35400
A	PIN CONTACT						B3155546		MA R		4800083	6	35500
A	PIN OFFSET CONTACT						B3155547		MA R		4800083	6	35600
A	HEADER BASE						B4800084		MA R		4800083	6	35700
A	RING CLAMPING SEAL					B4800085			MA R		4800065	5	35800
A	PARTICLE FLUX DETECT				J4800352				MA R		4100445	4	35900
B	CHAS PARTCL FLUX DET					J4800342			MA R		4800352	5	36000
A	COVER THERMAL PARTCL					J4800343			MA R		4800352	5	36100
A	SURFACE TREATMENT						A 90302-1		MA R		4800343	6	36200
A	CB1 PART FLUX DETECT					J4800344			MA R		4800352	5	36300
A	TRANSIPAD INSTAL						A 90303		MA R		4800344	6	36400
C	CB1 PART FLUX DETECT						A4800344PL		MA R		4800344	6	36500
B	PART FLUX DET SCHEM					J4800345			MA R		4800344	6	36600
A	PC1 PARTICLE FLUX					J4800351			MA R		4800344	6	36700
B	SCHEMATIC					J4800345			MA R		4800352	5	36800
B	MULTI-OUTPUT TUBE					D4800346			MA R		4800352	5	36900
A	SHIELD STAINLESS					C4800347			MA R		4800352	5	37000
A	END SENSITIVE 213 GM					C4800348			MA R		4800352	5	37100
A	SHIELD BERYLLIUM					C4800349			MA R		4800352	5	37200
A	RAIL						C L213		MA R		4800349	6	37300
A	GUARD DETECTOR TUBE					C4800350			MA R		4800352	5	37400
A	CB2 CB3 PARTICLE FLX					C4800422			MA R		4800352	5	37500
A	BLANKET THERMAL INST			J4100455					MA R		4100310	3	37600
A	BLANKET THERMAL ASSY				J4100456				MA R		4100455	4	37620
A	INSTALLATION STABLIZ			D4100464					MA R		4100310	3	37700
A	SCREW				A 90346				MA R		4100464	4	37800
A	STABILIZER ASSY VERT				D4100465				MA R		4100464	4	37900
A	SPRING COMPRESSION					B4100463			MA R		4100465	5	38000
A	PIN-VERTICAL STABLIZ					B4100467			MA R		4100465	5	38100
A	FITTING VERTICAL					D4100468			MA R		4100465	5	38200
A	RETAINER VERTICAL					C4100469			MA R		4100465	5	38300
A	INNER TUBE VERTICAL					C4100470			MA R		4100465	5	38400
A	OUTER TUBE VERTICAL					D4100471			MA R		4100465	5	38500
A	BOOT-VERTICAL STABLZ					B4100472			MA R		4100465	5	38600

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									SERIAL	THRU. SER.			
	ROD VERTICAL STABL					B4100473			MA R		4100465	5	38700
	SOCKET VERT STAB				C4100466				MA R		4100464	4	38800
	SPACER VERTICAL STBL				B4100474				MA R		4100464	4	38900
	SURFACE TREAT&HANDLE				A 90302				MA R		4100474	5	39000
	STABILIZER ASSY				D4100475				MA R		4100464	4	39100
	OUTER TUBE ASSEMBLY				C4100483				MA R		4100475	5	39200
	SURFACE TREAT&HANDLE					A 90302			MA R		4100483	6	39300
	ADAPTER HORIZONTAL					B4100477			MA R		4100483	6	39400
	TUBE SUPPORT HORIZON					B4100478			MA R		4100483	6	39500
	TUBE OUTER HORIZONTAL					C4100480			MA R		4100483	6	39600
	FITTING ATTACHMENT					D4100481			MA R		4100483	6	39700
	INNER TUBE ASSY				C4100484				MA R		4100475	5	39800
	FITTING HORIZONTAL					B4100476			MA R		4100484	6	39900
	TUBE INNER HORIZONTAL					B4100479			MA R		4100484	6	40000
	SPACER PYROTECHNIC			B4100496					MA R		4100310	3	40100
	SUN GATE ASSY			C4200002					MA R		4100310	3	40200
B	SUPPORT PAOTO CELL				D4200003				MA R		4200002	4	40300
A	SHIELD LIGHT # 1				C4200004				MA R		4200002	4	40400
A	SHIELD LIGHT # 2				C4200005				MA R		4200002	4	40500
B	TB ASSY				D4200006				MA R		4200002	4	40600
B	PLATE RETAINER				D4200042				MA R		4200002	4	40700
B	PIPING ATTITUDE INST			J4200588					MA R		4100310	3	40800
B	SURFACE TREAT&HANDLE				A 90302				MA R		4200588	4	40900
B	SCREW SOCKET HEAD				A 90346				MA R		4200588	4	41000
A	SHELL NITROGEN TANK				D4200044				MA R		4200588	4	41010
C	BRKT SUPPORT				J4200589				MA R		4200588	4	41100
	RING SPT BRKT NITROG					D4200590			MA R		4200589	5	41200
	PLATE SPT BRKT NITRO					D4200591			MA R		4200589	5	41300
	VALVE REGULATOR ASSY				D4200592				MA R		4200588	4	41400
C	NEEDLE VALVE BLEED				C3152162				MA R		4200592	5	41410
	BRACKET VALVE REGUL				D4200593				MA R		4200592	5	41500
	TEE SOCKET WELD SPEC				C4200594				MA R		4200592	5	41600
	TUBE FILL CONNECTION				C4200607				MA R		4200592	5	41700
A	TUBE TRANSDUCER CONN				C4200608				MA R		4200592	5	41800
	TEE SOCKET WELD				C4200610				MA R		4200592	5	41900
	SLEEVE SOCKET WELD				C4200612				MA R		4200592	5	42000
	MANIFOLD VALVE				D4200616				MA R		4200592	5	42100
	ELBOW SOCKET WELD				C4200603				MA R		4200588	4	42200
	ELBOW SIDE OUTLET				C4200604				MA R		4200588	4	42300
A	MANF 3 VALVE CONT				D4200605				MA R		4200588	4	42400

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									SERIAL	THRU. SER.			
A	MANIFOLD 2 VALVE DWG				C4200606				MA R		4200588	4	42500
	SLEEVE SOCKET WELD				C4200611				MA R		4200588	4	42600
	ELBOW SOCKET WELD HP				C4200613				MA R		4200588	4	42700
	SPIDER ASSY BRAZEMT				D4200614				MA R		4200588	4	42800
	FLANGE 3 BOLT				C4200615				MA R		4200588	4	42900
	HOSE METAL FLEX ASSY				C4200620				MA R		4200588	4	43000
B	NOZZLE JET				D4200624				MA R		4200588	4	43100
	SPACE THERMAL				D4200625				MA R		4200588	4	43200
	SLEEVE SOCKET WELD				C4200629				MA R		4200588	4	43300
A	SHIELD REG WELDMENT				D4200630				MA R		4200588	4	43400
	FRAME SHIELD REGULAT					D4200633			MA R		4200630	5	43500
A	COVER FR SHIELD REG					C4200634			MA R		4200630	5	43600
						C4200635			MA R		4200630	5	43700
A	COVER TOP SHIELD REG				D4200631				MA R		4200588	4	43800
	SHIELD REG L WR WELD								MA R		4200588	4	43900
A	BLK DIAG DWG				D4201043				MA R		4200588	4	43840
	BUSHING BOTTLE BRCKT				B4201044				MA R		4200588	4	43850
B	GEAR TRAIN ANT DRIVE			J4200600					MA R		4100310	3	43900
	BOOT POTTING				B 90143				MA R		4200600	4	44000
D	GEAR COMPOUND ASSY				C3151095				MA R		4200600	4	44100
C	GEAR SPUR ANT DRIVE					C3151096			MA R		3151095	5	44200
C	GEAR HELICAL R.H.					C3151097			MA R		3151095	5	44300
E	GEAR HELICAL ANT DR				C3151098				MA R		4200600	4	44400
A	POTENTIOMETER GEAR				B3151102				MA R		4200600	4	44500
D	PINION FINAL DRIVE				D3151105				MA R		4200600	4	44600
D	WORM SHAFT ANT DRIVE				C3151106				MA R		4200600	4	44700
D	WORM SHAFT ANT DRIVE				C3151107				MA R		4200600	4	44800
C	GEAR SPUR ANT DRIVE				B3151110				MA R		4200600	4	44900
	GEAR SPUR				B3151111				MA R		4200600	4	45000
A	RETAINER BEARING ANT				B3151115				MA R		4200600	4	45100
A	RETAINER BEARING ANT				B3151116				MA R		4200600	4	45200
C	SHAFT WORM GEAR ANT				B3151119				MA R		4200600	4	45300
C	GEAR SPUR ANT DRIVE				C3151122				MA R		4200600	4	45400
B	SPACER ANTENNA DRIVE				B3151125				MA R		4200600	4	45500
A	BUSHING ANT DRIVE				B3151126				MA R		4200600	4	45600
D	DRIVE ANTENNA SCHEM				C3151138				MA R		4200600	4	45700
C	PLATE GEAR ANTENNA				J3151749				MA R		4200600	4	45800
B	GEAR ANTI-BACKLASH				D3151751				MA R		4200600	4	45900
	SERVO MTR GEAR TRAIN				B3151753				MA R		4200600	4	46000
	GEAR SPUR MOTOR ANT				B4200601				MA R		4200600	4	46100
	CLUTCH SLIP ANT DRVE				D4200647				MA R		4200600	4	46200

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									SERIAL	TRNG. SER.			
A	SENSOR ASSY PRIMARY			C4200666					MA R		4100310	3	46300
A	ASSEMBLY PHOTOCELL				B 90254				MA R		4200666	4	46400
C	SUPPORT PHOTO CELL				C3152595				MA R		4200666	4	46500
C	SHIELD LIGHT SENSOR				C3152596				MA R		4200666	4	46600
B	TB ASSY				D4200006				MA R		4200666	4	46700
	ARMING SWITCH ASSY			C4200820					MA R		4100310	3	46800
	LATCHING COLLAR				C4200643				MA R		4200820	4	46900
	LANYARD ARMING SW				B4200821				MA R		4200820	4	47000
	SENSOR EARTH LONG			D4500034					MA R		4100310	3	47100
B	LONG RANGE EARTH SEN				J4800370				MA R		4500034	4	47200
C	ELECTRONIC ASSY					J4200596			MA R		4800370	5	47300
G	SCHEMATIC LONG RANGE						J4200408		MA R		4200596	6	47400
A	CB1&CB4 SUBASSEMBLY						C4200410		MA R		4200596	6	47500
A	CB4 PRE-AMP & PULSE							J4200409	MA R		4200410	7	47600
	TRANSIPAD							A 90127	MA R		4200409	8	47700
	TRANSIPAD							A 90303	MA R		4200409	8	47800
C	SCHEMATIC LONG RANGE							J4200408	MA R		4200409	8	47900
C	CB4 PRE-AMP & PULSE							A4200409	MA R		4200409	8	48000
	CB4 PC PREAMP & PULS							J4200411	MA R		4200409	8	48100
A	CB1 HIGH VOLT& LOW							J4200412	MA R		4200410	7	48200
C	SCHEMATIC LONG RANGE							J4200408	MA R		4200412	8	48300
A	CB1 HIGHLOW VOLTAGE							A4200412	MA R		4200412	8	48400
	CB1 PC HI VOLT & LOW							J4200413	MA R		4200412	8	48500
	MAGNETIC SHIELD							C4200597	MA R		4200410	7	48600
A	CB2&CB3 SUBASSEMBLY						C4200415		MA R		4200596	6	48700
A	CB2 ASSY PULSE DEMOD							J4200414	MA R		4200415	7	48800
A	CB2 ASSY PULSE DEMOD							A4200414	MA R		4200414	8	48900
	CB2 PC PULSE DEMOD							J4200416	MA R		4200414	8	49000
A	CB3 REED DRIVE ELECT							J4200417	MA R		4200415	7	49100
G	SCHEMATIC LONG RANGE							J4200408	MA R		4200417	8	49200
D	CB3 REED DRIVE ELECT							A4200417	MA R		4200417	8	49300
	CB3 PC REED DRIVE							J4200418	MA R		4200417	8	49400
	MAGNETIC SHIELD							C4200597	MA R		4200415	7	49500
	L V TRANSFORMER MTG							C4200598	MA R		4200596	6	49600
	H.V. TRANSFORMER MTG							C4200599	MA R		4200596	6	49700
	BRACKET CONNECTOR							C4200836	MA R		4200596	6	49800
	BRACKET BOARD ATTACH							C4200837	MA R		4200596	6	49900
	INSERT HELI-COIL							B 90119	MA R		4200837	7	50000
A	NUTPLATE CONNECTOR							C4200839	MA R		4200596	6	50100
A	COVER BRAZEMENT							J4200846	MA R		4200596	6	50200

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									SERIAL	TRNG. SER.			
	INSERT HELI COIL							B 90119	MA R		4200846	7	50300
	STANDOFF BOARD MOUNT						C4200849		MA R		4200596	6	50400
	INSERT HELI COIL							B 90119	MA R		4200849	7	50500
	SPACER LENS					C4200840			MA R		4800370	5	50600
	PASS SST							A 90399	MA R		4200840	6	50700
	LENS ASSY					C4200848			MA R		4800370	5	50800
	HOUSING LENS							C4200832	MA R		4200848	6	50900
	SHADE LIGHT							C4200833	MA R		4200848	6	51000
	NUTPLATE LENS								MA R		4800370	5	51100
	LOCATOR BASE					C4200863			MA R		4800370	5	51200
	PASSIVATION							A 90401	MA R		4200863	6	51300
	OUTLINE					J4200866			MA R		4800370	5	51400
	LENS COVER					C4200868			MA R		4800370	5	51500
	CASE LONG RANGE					J4200872			MA R		4800370	5	51600
	INSERT HELI COIL							B 90119	MA R		4200872	6	51700
B	CHOPPER DRIVE ASSY					J4800369			MA R		4800370	5	51800
A	HOUSING PHOTOMULTPLR						D4200822		MA R		4800369	6	51900
D	PHOTOMULT TUBE ASSY							C4200826	MA R		4200822	7	52000
	STEM RESISTOR BLOCK							C4200823	MA R		4200826	8	52100
A	UPPER TERMINAL PLATE							C4200824	MA R		4200826	8	52200
A	LOWER TERMINAL PLATE							C4200825	MA R		4200826	8	52300
A	HOUSING PHOTOMULTPLR							D4200850	MA R		4200822	7	52400
	WINDOW PHOTOMULTIPLR							B4200855	MA R		4200822	7	52500
	INSULATING CUP							B4200856	MA R		4200822	7	52600
	WASHER PHOTOMULTIPLR							B4200857	MA R		4200822	7	52700
	SHIELD							C4200858	MA R		4800822	7	52800
	INSULATOR PHOTOMULT							C4200859	MA R		4200822	7	52900
	CAP PHOTOMULTIPLIER							C4200860	MA R		4200822	7	53000
	SPEC SHIELD INSTL							C4200862	MA R		4200822	7	53100
A	COIL ASSEMBLY						C4200827		MA R		4800369	6	53200
A	BASE COIL							D4200828	MA R		4200827	7	53300
A	MAGNET ASSEMBLY							C4200830	MA R		4800369	6	53400
	SCREW RAIL							A 90401	MA R		4800369	6	53500
	PASSIVATION								MA R		4200830	7	53600
	RAIL							C4200831	MA R		4800369	6	53700
	BRACKET TRANSDUCER							C4200834	MA R		4800369	6	53800
	REED CHOPPER DRIVE							D4200838	MA R		4800369	6	53900
	FRAME CHOPPER&COIL							C4200841	MA R		4800369	6	54000
B	CHOPPER							D4200842	MA R		4800369	6	54100
	MOUNT REEDS							D4200843	MA R		4800369	6	54200

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DATE LISTED	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE	NEXT ASSEMBLY	OFF. COLL.	SEQUENCE NUMBER
	BEARING PLATE REEDS						C4200844		MA R	4800369	5	34300
	HOUSING CHOPPER DRIVE						D4200847		MA R	4800369	6	34400
	METRISITE REWORK						C4200852		MA R	4800369	6	34500
	PICKOFF							C4200845	MA R	4200822	7	24600
	MOUNT MAGNET						C4200861		MA R	4800369	6	34700
	ADJUSTING SCREW						B4200864		MA R	4800369	6	34800
	STRAP RAIL						C4200873		MA R	4800369	5	34900
	TEMP REFERENCE ASSY			C4500155					MA R	4100310	3	35000
	SUPPORT INFRARED				D4500156				MA R	4500155	4	35100
	SHIELD INFRARED RAD				C4500157				MA R	4500155	4	35200
	MYG BLOCK TEMPERATURE				B4500158				MA R	4500155	4	35300
	SPACER TEMP SENS				B4500159				MA R	4500155	4	35400
	TEMP SENSISTOR SCHEM				B4500160				MA R	4500155	4	35500
	CONNECTOR ASSEMBLY				C4500162				MA R	4500155	4	35600
	CB ASSY					C4500161			MA R	4500162	5	35700
	TRANSIPAD					A 90127			MA R	4500161	6	35800
	TEMP SENSISTOR SCHEM					B4500160			MA R	4500161	6	35900
	JOINT ROTARY COAX			D4600183					MA R	4100310	3	36000
	A PAD				B3155033				MA R	4600183	4	36100
	A OUTER CHOKE SPACER				B3155035				MA R	4600183	4	36200
	C BEARING SLEEV				B3155036				MA R	4600183	4	36300
	B RETAINER RING				B3155037				MA R	4600183	4	36400
	B OUTER CHOKE CYLINDER				C3155066				MA R	4600183	4	36500
	B COAXIAL LINE CYLINDER				C3155067				MA R	4600183	4	36600
	A COAX LINE CNTR COND				B3155068				MA R	4600183	4	36700
	A COAX LINE SPACER				B3155070				MA R	4600183	4	36800
	A INNER CHOKE CNTR COND				B3155072				MA R	4600183	4	36900
	A ADAPTER CONNECTOR				B3155136				MA R	4600183	4	37000
	SHIM				B3155137				MA R	4600183	4	37100
	CRANK JOINT ROTARY				B3155278				MA R	4600183	4	37200
	SPACER BEARING OUTER				B4600184				MA R	4600183	4	37300
	SPACER BEARING INNER				B4600185				MA R	4600183	4	37400
	SPACER DIELECT SMALL				B4600186				MA R	4600183	4	37500
	SPACER DIELECT INNER				B4600187				MA R	4600183	4	37600
	SHELL OUTER CHOKE				C4600338				MA R	4600183	4	37700
	B ANT OMNI-DIRECTIONAL			D4600340					MA R	4100310	3	37800
	CYLINDER SUPPORT				B3155134				MA R	4600340	4	37900
	GROUND PLANE LOWER				B3155147				MA R	4600340	4	38000
	BRACKET CENTER					C3155450			MA R	3155147	5	38100
	A CONDUCTOR CENTER				C3155272				MA R	4600340	4	38200

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	A CONDUCTOR CENTER					A3155525			MA R	3155272	5	58300
	PLUG INNER TUBE				B3155273				MA R	4600340	4	58400
	NOT RETAINING				B3155274				MA R	4600340	4	58500
	WASHER SUPPORT LOWER				B3155275				MA R	4600340	4	58600
	WASHER SUPPORT UPPER				B3155276				MA R	4600340	4	58700
	SPACER				B3155277				MA R	4600340	4	58800
	CONNECTOR RIGHT ANGLE				B3155281				MA R	4600340	4	58900
	DOUBLER				C3155451				MA R	4600340	4	59000
	MODIFICATION ANTENNA				B3155501				MA R	4600340	4	59100
	GROUND PLANE UPPER				C4600341				MA R	4600340	4	59200
	CONE-OUTER TUBE SUBA				D4600342				MA R	4600340	4	59300
	RADIOMETER INSTALL			D4800408					MA R	4100310	3	59400
	WASHER INSULATOR				B 90782				MA R	4800408	4	59500
	A ACTUATOR ASSEMBLY				C4500122				MA R	4800408	4	59600
	AUTOSYN CLAMP					B 90787			MA R	4550122	5	59700
	MOTOR SYNCHRONOUS					B 90785			MA R	4500122	5	59800
	HOUSING ACTUATOR					D4500123			MA R	4500122	5	59900
	COVER ACTUATOR					D4500124			MA R	4500122	5	60000
	PLATE A MOUNTING					B4500125			MA R	4500122	5	60100
	PLATE B MOUNTING					C4500126			MA R	4500122	5	60200
	SHAFT C ACTUATOR					B4500127			MA R	4500122	5	60300
	SHAFT D ACTUATOR					B4500128			MA R	4500122	5	60400
	SHAFT E ACTUATOR					B4500129			MA R	4500122	5	60500
	SHAFT F ACTUATOR					C4500130			MA R	4500122	5	60600
	SHAFT G ACTUATOR					C4500131			MA R	4500122	5	60700
	FLEX JOINT					C4500132			MA R	4500122	5	60800
	A LEVER SW ACTUATOR					B4500137			MA R	4500122	5	60900
	COUPLING ACTUATOR					B4500138			MA R	4500122	5	61000
	SPACER FLEX JOINT					B4500139			MA R	4500122	5	61100
	POTENTIOMETER					B4500143			MA R	4500122	5	61200
	A SPRING COMP SW LEVER					B4500143			MA R	4500122	5	61300
	SPLINE CLUTCH					B4500146			MA R	4500122	5	61400
	GEAR BEVEL CLUTCH					B4500147			MA R	4500122	5	61500
	SPACER CLUTCH					B4500148			MA R	4500122	5	61600
	HUB CLUTCH					B4500149			MA R	4500122	5	61700
	FACING CLUTCH					B4500150			MA R	4500122	5	61800
	GEAR HEAD					B4500151			MA R	4500122	5	61900
	TB1 ACTUATOR					C4800073			MA R	4500122	5	62000
	TB2 ACTUATOR					C4800073			MA R	4500122	5	62100
	ACTUATOR WIRING					C4800073			MA R	4500122	5	62200
	SWIVEL JOINT ASSY				C4500142				MA R	4800408	4	62300

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									SERIAL	THRU. SER.			
	HOUSING SWIVEL JOINT					84500133			MA R		4500142	5	62300
	MOUNT SWIVEL JOINT					84500134			MA R		4500142	5	62400
	BOLT SWIVEL JOINT					84500141			MA R		4500142	5	62500
	RADIOMETER ASSEMBLY				J4800300				MA R		4800408	4	62600
	WASHER					B 90283			MA R		4800300	5	62700
	WASHER					B 90284			MA R		4800300	5	62800
	STUD LOCK					B 90312			MA R		4800300	5	62900
	CONNECTOR INSTL					C 90314			MA R		4800300	5	63000
A	RADIOMETER CHASS ASY					J4800262			MA R		4800300	5	63100
	WAVEGUIDE SUBASSY					C4800304			MA R		4800300	5	63200
	WAVEGUIDE SUBASSY 22					C4800305			MA R		4800300	5	63300
	WAVEGUIDE SUBASSY 19					C4800306			MA R		4800300	5	63400
	WAVEGUIDE SUBASSY 15					C4800307			MA R		4800300	5	63500
	WAVEGUIDE SUBASSY 22					C4800308			MA R		4800300	5	63600
A	BRACKET ASSY DETECT					C4800311			MA R		4800300	5	63700
	BRACKET DETECTOR					C4800312			MA R		4800300	5	63800
A	V-BLOCK ASSY RADIOM					C4800313			MA R		4800300	5	63900
	REFERENCE HORN					J4800334			MA R		4800300	5	64000
A	SUPPORT RADIOMETER					J4800335			MA R		4800300	5	64100
A	PWR SUPP SUBAY ENV					D4800339			MA R		4800300	5	64200
	CONNECTOR INSTAL						C 90314		MA R		4800339	6	64300
A	SUBCHASS PWR SUPPLY						D4800338		MA R		4800339	6	64400
	CURRENT LIMIT SUBASY						D4800470		MA R		4800492	6	64500
	CB CURRNT LMT SUBASY							C4800492	MA R		4800496	7	64600
	INSULAT BD SUBASSY							C4800489	MA R		4800492	8	64700
	TB CURRENT LMT SUBAY							C4800490	MA R		4800492	8	64800
	BD CURRENT LMT SUBAY							C4800491	MA R		4800490	9	64900
	CB CURRNT LMT SUBASY							A4800492	MA R		4800492	8	65000
	SCHEMATIC DIAGRAM							C4800497	MA R		4800492	8	65100
	HEAT SINK SUBASSEMBY							C4800493	MA R		4800496	7	65200
	HEAT SINK SUBASSEMBY							C4800494	MA R		4800496	7	65300
	SUBCHASS CURRENT LMT							D4800495	MA R		4800496	7	65400
	BUSHING SUBASSEMBLY							B4800502	MA R		4800495	8	65500
	BUSHING SUBASSEMBLY							B4800503	MA R		4800495	8	65600
	CURRENT LIMIT SUBASY							A4800496	MA R		4800496	7	65700
	CURRENT LIMITR SCHEM							C4800497	MA R		4800496	7	65800
	FORMER SUBASSY							C4800501	MA R		4800496	7	65900
	INSUL HEAT SUBASSY							B4800504	MA R		4800496	7	66000
	INSULT HT SINK SUBAY							B4800505	MA R		4800496	7	66100
	INSULATION BD SUBASY							B4800532	MA R		4800496	7	66200

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									SERIAL	THRU. SER.			
	TB CURRENT LMT SUBAY							B4800533	MA R		4800496	7	66300
B	RADIOMETER SCHEMATIC						C 20867		MA R		4800339	6	66400
	POWER SUP RADIOMETER						A 20869		MA R		4800339	6	66500
	WAVEGUIDE SUBASSY					C4800356			MA R		4800300	5	66600
	WAVEGUIDE SUBASSY					C4800357			MA R		4800300	5	66700
A	ANGLE CONN MOUNTING					C4800358			MA R		4800300	5	66800
	ANGLE CONN MTG RADIO					C4800359			MA R		4800300	5	66900
	STRAP NOISE SOURCE					B4800360			MA R		4800300	5	67000
	ANGLE COUPLER MOUNT					B4800361			MA R		4800300	5	67100
A	BRACKET COUPLER MTG					C4800362			MA R		4800300	5	67200
A	CLIP WAVEGUIDE RADIO					B4800363			MA R		4800300	5	67300
A	BRACKET TAPER MOUNT					C4800364			MA R		4800300	5	67400
	CLIP RF CONNECTOR					C4800368			MA R		4800300	5	67500
	SHIELD THERMAL ASSY					J4800376			MA R		4800300	5	67600
	COVER HORN RADIOMETER							D4800427	MA R		4800376	6	67700
	SURFACE TREATMENT							A 90302	MA R		4800427	7	67800
	15.86 22KMC CONT DWG					J4800377			MA R		4800300	5	67900
	22KMC SW ASSY ENV					D4800378			MA R		4800300	5	68000
	15KMC SW ASSY ENV					D4800379			MA R		4800300	5	68100
A	ENV ELECT UNIT SUBAY					D4800380			MA R		4800300	5	68200
	CONNECTOR INSTL						C 90314		MA R		4800380	6	68300
	SCHEMATIC						D4800436		MA R		4800380	6	68310
C	MICROWAVE RADIOMETER							A4800436	MA R		4800436	7	68315
	PRE-AMP SUBASSY ENVL					D4800381			MA R		4800300	5	68400
	DIRECTIONAL COUP ENV					C4800382			MA R		4800300	5	68500
	DETECTOR ASSY CONT DW					B4800383			MA R		4800300	5	68600
	CONT DWG 15KMC FILTR					B4800386			MA R		4800300	5	68700
	WAVEGUIDE SUBASSY 15					C4800387			MA R		4800300	5	68800
	CONT PWS 22KMC FILTR					B4800388			MA R		4800300	5	68900
	WAVEGUIDE ASSY 22					C4800395			MA R		4800300	5	69000
	WASHER SHIELD INSULATE					B4800416			MA R		4800300	5	69100
	INSULATOR 22KMC DET					B4800420			MA R		4800300	5	69200
	INSULATOR 15KMC DET					B4800421			MA R		4800300	5	69300
	BRKT TUN FORK RADMTX					C4800423			MA R		4800300	5	69400
B	TUNING FORK INSULAT					C4800424			MA R		4800300	5	69500
	COVER PW CONN RADMTX					D4800428			MA R		4800300	5	69600
	SURFACE TREATMENT							A 90302	MA R		4800428	6	69700
	COVER SIGNAL RADMTX					D4800429			MA R		4800300	5	69800
	SURFACE TREATMENT							A 90302	MA R		4800429	6	69900
	STUD RADIOMETER					B4800432			MA R		4800300	5	70000

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									SERIAL	THRU. SER.			
	9W29 CABLE ASSEMBLY					C4900239			MA R		4800300	5	70100
	9W31 CABLE ASSY					B4900241			MA R		4800300	5	70200
	9W34 CABLE A					B4900242			MA R		4800300	5	70300
A	9W30 INTERCONN SUBAS					J4900247			MA R		4800300	5	70800
	CABLE ASSY 9W32 COAX						B4900243		MA R		4900247	6	70900
	CABLE ASSY 9W33 COAX						B4900244		MA R		4900247	6	71000
	CABLE ASSY 9W35 COAX						B4900245		MA R		4900247	6	71050
B	ENVL 27A1 INFRA RED					D4900239			MA R		4800300	5	71200
	CONNECTOR INSTL						C 40314		MA R		4900299	6	71300
	SHIM SWIVEL JOINT				B4800409				MA R		4800408	4	71400
	SHIELD SUN ACTUATOR				C4800410				MA R		4800408	4	71500
	MIRROR FINISH					A 40302			MA R		4800410	5	71600
	SPACER SUN SHIELD				B4800411				MA R		4800408	4	71700
	CABLING INSTALLATION			J4900256					MA R		4100310	3	75500
	2W4 COAX CABLE ASSY				B4900232				MA R		4900256	4	75400
	2W5 COAX CABLE ASSY				B4900233				MA R		4900256	4	75500
	2W6 COAX CABLE ASSY				B4900234				MA R		4900256	4	75600
	9W1 CABLE INSTL				J4900252				MA R		4900256	4	75700
	9W1 RING HARNESS					J4900253			MA R		4900252	5	75712
	9W1 TB1 TB ASSEMBLY					C4900271			MA R		4900252	5	75714
	9W40 WIRING HARNESS					D4900272			MA R		4900252	5	75716
A	GUSSET TROUGH					C4900318			MA R		4900252	5	75718
	SCREW MACH PAN HD						A 90347		MA R		4900318	6	75720
A	SHIM TROUGH HARNESS						M4900302		MA R		4900318	6	75722
A	STIFFENER TROUGH						M4900303		MA R		4900318	6	75724
A	HANGER TROUGH						B4900304		MA R		4900318	6	75726
A	TROUGH SECTION ASSY						M4900305		MA R		4900318	6	75728
A	TROUGH SECT ASY BAY4						B4900312		MA R		4900305	7	75730
A	GUSSET TROUGH						B4900301		MA R		4900311	8	75732
A	GUSSET TROUGH						C4900310		MA R		4900311	8	75734
A	TROUGH SECTION ASSY						M4900312		MA R		4900305	7	75736
	ADHESIVE						A 90051		MA R		4900312	8	75738
A	GUSSET TROUGH						C4900301		MA R		4900312	8	75740
A	GUSSET TROUGH						B4900320		MA R		4900312	8	75742
A	TROUGH SECT ASY BAY5						B4900313		MA R		4900305	7	75744
A	TROUGH SECTION ASSY						B4900300		MA R		4900313	8	75746
A	TIE PLATE TROUGH						B4900309		MA R		4900300	9	75748
A	GUSSET TROUGH						B4900307		MA R		4900313	8	75750
A	CONNECTR BRKT TROUGH						B4900308		MA R		4900313	8	75752
A	GUSSET TROUGH						B4900319		MA R		4900313	8	75754

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									SERIAL	THRU. SER.			
	TROUGH SECTION ASSY							M4900314	MA R		4900315	7	75756
	ADHESIVE							A 90091	MA R		4900315	8	75758
A	TROUGH SECTION ASSY							M4900300	MA R		4900314	6	75760
A	GUSSET TROUGH							B4900301	MA R		4900314	6	75762
A	TROUGH SECT ASSY						J4900313		MA R		4900305	6	75764
A	TROUGH SECTION ASSY							M4900300	MA R		4900315	8	75766
A	GUSSET TROUGH							C4900301	MA R		4900315	8	75768
A	CONNECTR BRKT TROUGH							B4900308	MA R		4900315	8	75770
A	TROUGH SECTION ASSY							M4900316	MA R		4900305	7	75772
A	TROUGH SECTION ASSY							M4900300	MA R		4900316	8	75774
A	GUSSET TROUGH							B4900301	MA R		4900316	8	75776
	STRAP TROUGH HARNESS					B4900308			MA R		4900318	6	75778
	WIRING HARNESS 9W21				B4900255				MA R		4900257	4	75800
A	WIRING HARNESS 9W2				J4900256				MA R		4900256	4	75900
	WIRING HARNESS 9W3				J4900259				MA R		4900256	4	76000
	SPACECRAFT CABLING				J4900260				MA R		4900256	4	76100
	WIRING HARNESS 9W4				J4900261				MA R		4900256	4	76200
	9W5 WIRING HARNESS				J4900262				MA R		4900256	4	76300
	WIRING HARNESS 9W6				J4900263				MA R		4900256	4	76400
	WIRING HARNESS 9W7				J4900264				MA R		4900256	4	76500
	WIRING HARNESS 9W8				J4900265				MA R		4900256	4	76600
	WIRING HARNESS 9W9				J4900266				MA R		4900256	4	76700
	WIRING HARNESS 9W20				J4900268				MA R		4900256	4	76900
	WIRING HARNESS 9W22				C4900269				MA R		4900256	4	77000
	WIRING HARNESS 9W23				D4900270				MA R		4900256	4	77100
	WIRING HARNESS 9W14				C4900273				MA R		4900256	4	77200
	WIRING HARNESS 9W24				J4900274				MA R		4900256	4	77300
A	CONNECTOR BRKT LEG A				C4900321				MA R		4900256	4	77400
A	CONNECTOR BRKT LEG B				C4900322				MA R		4900256	4	77500
C	PACKAGING ASSEMBLY			J4900501					MA R		4100310	3	77600
	SCREW QUIN-LOCK				C 90252				MA R		4900501	4	77700
B	CABLE RETAINING BRKT				D3158674				MA R		4900501	4	77800
	XPONDER CAVITIES ZAS				D3172189				MA R		4900501	4	77900
	CABLE DETAILS					J3172204			MA R		3172189	5	78000
	XPONDER CAVITIES ZAS					B4600008			MA R		3172189	5	78100
A	BRACKET						C3172190		MA R		4600008	6	78200
B	HOUSING ASSY						D4600001		MA R		4600008	6	78300
	COVER CATHODE SECT							B4600004	MA R		4600001	7	78400
	COVER PLATE SECT							B4600005	MA R		4600001	7	78500
A	SHIELD CATHODE SECT							B4600006	MA R		4600001	7	78600

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									SERIAL	THRU. SER.			
A	SHIELD PLATE SECT								C4600007	MA R	4600007	7	78700
B	HOUSING CATHODE SECT								D4600073	MA R	4600007	7	78800
B	HOUSING PLATE SECT								D4600074	MA R	4600007	7	78900
	TERMINAL									MA R	4600008	6	79000
A	TERMINAL							B4600012		MA R	4600008	6	79100
A	TERMINAL INSULATOR							B4600013		MA R	4600008	6	79200
	GROUND PLATE							B4600014		MA R	4600008	6	79300
	B ROD INSULATOR							B4600015		MA R	4600008	6	79400
	B ROD INSULATOR							B4600017		MA R	4600008	6	79500
	B ROD							B4600018		MA R	4600008	6	79600
	OUTPUT PROBE							B4600019		MA R	4600008	6	79700
	F-2 PLATE INSULATOR							B4600020		MA R	4600008	6	79800
	F-1 PLATE INSULATOR							B4600021		MA R	4600008	6	79900
	K-PLATE INSULATOR							B4600022		MA R	4600008	6	80000
	B ROD							B4600023		MA R	4600008	6	80100
	INSULATOR							B4600024		MA R	4600008	6	80200
	B ROD SLEEVE							B4600025		MA R	4600008	6	80300
	TUNING PROBE							B4600026		MA R	4600008	6	80400
	CATHODE TAP FEMALE							B4600027		MA R	4600008	6	80500
	F 2 PLATE							B4600028		MA R	4600008	6	80600
A	K-PLATE							C4600029		MA R	4600008	6	80700
A	F-1 PLATE							C4600030		MA R	4600008	6	80800
	CATHODE TAP MALE							C4600031		MA R	4600008	6	80900
	LINE PLATE INSULATOR							C4600032		MA R	4600008	6	81000
	GROUND PLATE INSERT							C4600033		MA R	4600008	6	81100
	F-2 INSERT							B4600034		MA R	4600008	6	81200
	K PLATE INSERT							B4600035		MA R	4600008	6	81300
	SCREW INSULATOR							B4600036		MA R	4600008	6	81400
	LINE PLATE INSULATOR							B4600037		MA R	4600008	6	81500
	LINE PLATE							B4600038		MA R	4600008	6	81600
	GROUND PLATE							C4600039		MA R	4600008	6	81700
A	THERMAL COMPENSATOR							C4600040		MA R	4600008	6	81800
A	TUNING PROBE HOUSING							C4600041		MA R	4600008	6	81900
B	TUNING PROBE THERMAL							C4600042		MA R	4600008	6	82000
A	DRIVE SHAFT THERMAL							C4600043		MA R	4600008	6	82100
A	TUNING PROBE INSULTR							B4600044		MA R	4600008	6	82200
A	RETAINING PIN							B4600045		MA R	4600008	6	82300
B	SPONDER CAVITY SCHEM							B4600046		MA R	4600008	6	82400
	TEE CONNECTOR							D4600152		MA R	4600008	6	82500
	STRAP							C4600330		MA R	3172189	5	82600
								B4600331		MA R	3172189	5	82600

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									SERIAL	THRU. SER.			
A	LOUVER INSTALLATION								MA R		4900501	4	82700
B	ACCELEROMETER 7A3				J4100200				MA R		4900501	4	82800
	CUP POTTING				J4200033				MA R		4200033	5	82900
	STUD LOCK FEMALE					C 90190			MA R		4200033	5	83000
	MALE LOCK ASSY					C 90312			MA R		4200033	5	83100
	CONNECTOR INSTALL					B 90313			MA R		4200033	5	83200
	CLAMP					C 90314			MA R		4200033	5	83300
B	SCHEMATIC				C3158594				MA R		4200033	5	83400
	TRANSIPAD INSTALL				D4200025				MA R		4200033	5	83500
	ART WORK CB2					A 90127			MA R		4200025	6	83600
B	CB					D4200037			MA R		4200033	5	83700
	TRANSIPAD INSTALL				J4200034				MA R		4200034	6	83800
A	ART WORK CBI					A 90303			MA R		4200034	6	83900
A	CB					D4200035			MA R		4200034	6	84000
B	SUBCHASSIS					D4200036			MA R		4200033	5	84100
	PIN LOCATING				J4200038				MA R		4200038	6	84200
	CONNECTOR INSTALL					B 90089			MA R		4200038	6	84300
B	CELEST RELAYS 7A19					C 90314			MA R		4900501	4	84400
	ADHESIVE				D4200053				MA R		4200053	5	84500
	RESIN					A 90091			MA R		4200053	5	84600
	SCREW LOCK MECH					A 90099			MA R		4200053	5	84700
	CONNECTOR INSTALL					B 90312			MA R		4200053	5	84800
D	SCHEMATIC DIA					C 90314			MA R		4200053	5	84900
B	TRANSFORMER					D4200045			MA R		4200053	5	85000
	CB1					B4200046			MA R		4200053	5	85100
A	SCHEMATIC DIA					D4200048			MA R		4200048	6	85200
C	PC TB 1								MA R		4200053	5	85300
A	CB2					D4200050			MA R		4200053	5	85400
	TRANSIPAD					D4200049			MA R		4200049	6	85500
D	PC TB2					A 90303			MA R		4200049	6	85600
A	SCHEMATIC					J4200051			MA R		4200049	6	85700
C	SUBCHASSIS ASSY					D4500045			MA R		4200053	5	85800
A	TRANSFORMER					D4200052			MA R		4200053	5	85900
	TRANSFORMER					B4200348			MA R		4200053	5	86000
	TRANSFORMER					B4200370			MA R		4200053	5	86010
D	GYRO CONT. SUBASSY 7A2				J4200300				MA R		4900501	4	86016
C	SUBCHASSIS GYRO					J4200301			MA R		4100300	5	86018
B	CAPACITOR SUBASSY 1					D4200302			MA R		4200300	5	86024
	ENCAPSULATING CAP							A4201038	MA R		4200302	6	86025
C	CAPACITOR SUBASSY #2					D4200303			MA R		4200303	5	86025

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									SERIAL	THRU, SER.			
B	STANDOFF SPACER #1					84200304			MA R		4200300	5	86025
B	STANDOFF SPACER #2					84200305			MA R		4200300	5	86027
C	CB1 ASSY					84200306			MA R		4200300	5	86030
C	CB1 GYRO CONTROL						44200308PL		MA R		4200308	6	86032
C	CB1 PRINTED CIRCUITRY						84200307		MA R		4200308	5	86034
C	CB2 ASSY					84200308			MA R		4200300	5	86036
C	CB2 GYRO CONTROL						44200308PL		MA R		4200308	6	86038
C	CB2 PRINTED CIRCUITRY						84200309		MA R		4200308	6	86040
C	CB3 ASSY					84200310			MA R		4200300	5	86042
C	CB3 GYRO CONTROL						44200310PL		MA R		4200310	6	86044
C	CB3 PRINTED CIRCUITRY						84200311		MA R		4200310	6	86046
C	CB4 ASSY					84200312			MA R		4200300	5	86048
C	CB4 GYRO CONTROL						44200312PL		MA R		4200312	6	86050
C	CB4 PRINTED CIRCUITRY						84200313		MA R		4200312	6	86052
A	GYRO CONTROL SCHEM					84201038			VA R		4200300	5	86054
	ENCAPSULATING CAP					84201039			VA R		4200300	5	86056
	SLEEVE INSULATOR					84201040			MA R		4200300	5	86058
	WASHER INSULATOR					84201041			MA R		4200300	5	86060
	SLEEVE INSULATOR					84201042			MA R		4200300	5	86062
A	WASHER INSULATOR					84200351			MA R		4900501	4	86100
B	SW AMPL LOGIC 7A18								MA R		4200351	5	86200
	ADHESIVE					A 90091			MA R		4200351	5	86200
	STUD LOCK					B 90312			MA R		4200351	5	86300
	CONNECTOR INSTALL					C 90314			MA R		4200351	5	86400
	SWITCH AMPL SUBCHASS					84200350			MA P		4200351	5	86500
B	CKT BD 1 ASSY SW AMP					84200352			MA R		4200352	6	86600
	ADHESIVE					A 90091			MA R		4200352	6	86700
	TRANSIPAD					A 90127			MA R		4200352	6	86800
	TRANSIPAD					A 90306			MA R		4200352	6	86900
C	SCHEMATIC DIA					84200353			MA R		4200352	6	87000
C	CB1 SW AMPLIFIR LOGIC					84200354			VA R		4200352	6	87100
B	CB1 PC SW AMPL&LOGIC					84200355			MA R		4200352	6	87200
B	CKT BD SW AMPL					84200356			MA R		4200351	5	87300
B	CB2 SW AMPLIFIR LOGIC					84200357			MA R		4200354	6	87400
A	CB2 PC SW AMPLIFIER					84200358			VA R		4200354	6	87500
	CKT BD 3 ASSY SW AMP					84200639			VA R		4200351	5	87600
	1B SW AMPLIFIER LOGIC					84200640			VA R		4200351	5	87700
	CB4 SW AMPLIFIER LOGIC					84200641			VA R		4200351	5	87800
	1B SW AMPLIFIER LOGIC					84200642			MA R		4200351	5	87900

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									SERIAL	THRU, SER.			
	CKT BD 5 SW AMPL					84200643			MA R		4200351	5	88000
	1B SW AMPLIFIER LOGIC					84200644			MA R		4200351	5	88100
B	LAUNCH COUNTER 5A2					84200503			MA R		4900501	4	88300
	SCREW QUINTLOCK					B 90252			VA R		4200503	5	88400
	STUD LOCK					B 90312			MA R		4200503	5	88500
	CONNECTOR INST'L					C 90314			VA R		4200503	5	88600
A	STRAP RELAY					83158989			MA R		4200503	5	88700
	RELAY STRAP					84200168			VA R		4200503	5	88800
B	SCHEM LAUNCH COUNTER					84200504			MA R		4200503	5	88900
B	CB1 ASSY LAUNCH CNTR					84200505			MA R		4200503	5	89000
	TERMINAL					A 90312			MA R		4200501	6	89100
	TERMINAL					A 90306			MA R		4200501	6	89200
C	HOLDER MAGNETIC CORE					83158989			MA R		4200501	6	89300
C	CB1 LAUNCH COUNTER					84200506			MA P		4200501	6	89400
A	CB1 PC LAUNCH COUNTER					84200507			MA R		4200501	6	89500
B	CB2 ASSY LAUNCH CTR					84200508			VA R		4200503	5	89600
	TRANSIPAD INST'L					A 90312			VA R		4200502	6	89700
	TERMINAL					A 90306			MA R		4200502	6	89800
C	HOLDER MAGNETIC CORE					83158989			MA R		4200502	6	89900
B	SCHEM LAUNCH COUNTER					84200509			VA R		4200502	6	90000
B	CB2 LAUNCH COUNTER					84200510			MA R		4200502	6	90100
A	CB2 PC LAUNCH COUNTER					84200511			MA R		4200502	6	90200
	SUBCHASS LAUNCH COUT					84200512			VA R		4200503	5	90300
C	CENTRAL CLOCK 5A1					84200513			MA R		4900501	4	90400
	STUD LOCK					B 90312			VA R		4200513	5	90500
	CONNECTOR INST'L					C 90314			VA R		4200513	5	90600
B	CENTRAL CLOCK SCHEM					84200514			MA R		4200513	5	90700
B	CB1 ASSY CENTRAL CLK					84200515			MA R		4200513	5	90800
	TRANSIPAD INST'L					A 90312			MA R		4200511	6	90900
	SCREW QUINTLOCK					A 90306			MA R		4200511	6	91000
	TRANSIPAD INST'L					A 90306			MA R		4200511	6	91100
A	BRACKET CRYST MOUNT					83158989			MA R		4200511	6	91200
C	CRYSTAL					84200516			MA R		4200511	6	91300
B	CENTRAL CLOCK SCHEM					84200517			MA R		4200511	6	91400
C	CB1 CENTRAL CLOCK					84200518			MA R		4200511	6	91500
B	PC CB1 CENTRAL CLOCK					84200519			MA R		4200511	6	91600
B	CB2 ASSY CENT CLOCK					84200520			MA R		4200513	5	91700
	TRANSIPAD INST'L					A 90312			MA R		4200512	6	91800
	TRANSIPAD INST'L					A 90306			MA R		4200512	6	91900
C	HOLDER MAGNETIC CORE					83158989			MA R		4200512	6	92000

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REV.									SERIAL	THRU. SER.		
B	CENTRAL CLOCK SCHEM						J4200510		MA R		4200512	5 92000
C	CB2 CENTRAL CLOCK						A4200512PL		MA R		4200512	6 92100
A	CB2 PC CENTRAL CLOCK						J4200516		MA R		4200512	6 92200
A	SUBCHAS CENTRAL CLCK								MA R		4200513	5 92300
B	MANEUVER CLOCK 5A4				D4200523	D4200514			MA R		4900501	4 92400
	SCREW QUINTLOCK					B 90252			MA R		4200523	5 92500
	STUD LOCK					B 90312			MA R		4200523	5 92600
	CONNECTOR INSTL					C 90314			MA R		4200523	5 92700
A	STRAP RELAY					B3158938			MA R		4200523	5 92800
B	MANEUVER CLOCK SCHEM					J4200520			MA R		4200523	5 92900
C	CB1 ASSY MANEUV CLCK					J4200521			MA R		4200523	5 93000
	TRANSIPAD INSTL						A 90127		MA R		4200521	6 93100
	HOLDER ASSY MANEUVER						D4200138		MA R		4200521	6 93200
	ADHESIVE							A 90091	MA R		4200138	7 93300
B	MANEUVER CLOCK SCHEM						J4200520		MA R		4200521	6 93400
C	CB1 MANEUVER CLOCK						A4200521PL		MA R		4200521	6 93500
A	CB1 PC MANEUVER DUR						J4200525		MA R		4200521	6 93600
B	CB2 ASSY MANEUV CLCK					J4200522			MA R		4200523	5 93700
	TRANSIPAD INSTL						A 90127		MA R		4200522	6 93800
C	HOLDER MAGNETIC CORE						D3158596		MA R		4200522	6 93900
B	MANEUVER CLOCK SCHEM						J4200520		MA R		4200522	6 94000
C	CB2 MANEUVER CLOCK						A4200522PL		MA R		4200522	6 94100
A	PC CB2 MANEUV CLOCK						J4200526		MA R		4200522	6 94200
A	SUBCHASS MANEUVER					D4200524			MA R		4200523	5 94300
C	ADDRESS REGIS 5A6				D4200533				MA R		4900501	4 94400
	STUD LOCK					B 90312			MA R		4200533	5 94500
	CONNECTOR INSTL					C 90314			MA R		4200533	5 94600
	RELAY STRAP					A4200168			MA R		4200533	5 94700
B	ADDRESS REG SCHEM					J4200530			MA R		4200533	5 94800
A	CB1 ASSY MANEUV DUPT					J4200531			MA R		4200533	5 94900
	TRANSIPAD						A 90303		MA R		4200531	6 95000
C	ADDRESS REG SCHEM						J4200530		MA R		4200531	6 95100
B	CB1 ADDRESS REGISTER						A4200531PL		MA R		4200531	6 95200
A	CB1 PC MD OUTPUT						J4200535		MA R		4200531	6 95300
A	CB2 ADDRESS REGISTER					J4200532			MA R		4200533	5 95400
	TRANSIPAD						A 90127		MA R		4200532	6 95500
	SCREW QUINTLOCK					B 90252			MA R		4200532	6 95600
C	ADDRESS REG SCHEM					J4200530			MA R		4200532	6 95700
C	CB2 ADDRESS REGISTER						A4200532PL		MA R		4200532	6 95800
A	CB2 PC MD OUTPUT						J4200536		MA R		4200532	6 95900

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REV.									SERIAL	THRU. SER.		
A	SUBCHASSIS ADD REG					D4200534			MA R		4200533	5 96000
B	MANEUVER DURAT 5A5								MA R		4900501	4 96100
	STUD LOCK					C 90312			MA R		4200543	5 96200
	CONNECTOR INSTL					C 90314			MA R		4200543	5 96300
B	MANEUVER DUR SCHEM					J4200540			MA R		4200543	5 96400
C	CB1 ASSY MANEUV DUR					J4200541			MA R		4200543	5 96500
	TRANSIPD INSTL						A 90127		MA R		4200541	6 96600
	TRANSIPAD INSTL						A 90303		MA R		4200541	6 96700
	TERMINAL						A 90306		MA R		4200541	6 96800
B	MANEUVER DUR SCHEM						J4200540		MA R		4200541	6 96900
C	CB1 MANEUVER DURATION						A4200541PL		MA R		4200541	6 97000
A	CB1 PC MANEUV DURAT						J4200545		MA R		4200541	6 97100
B	CB2 ASSY MANEUV DUR					J4200542			MA R		4200543	5 97200
	TRANSIPAD INSTL						A 90127		MA R		4200542	6 97300
	TRANSIPAD						A 90303		MA R		4200542	6 97400
B	MANEUVER DUR SCHEM						J4200540		MA R		4200542	6 97500
C	CB2 MANEUVER DURATION						A4200542PL		MA R		4200542	6 97600
A	CB2 PC MANEUVER DUR						J4200546		MA R		4200542	6 97700
A	SUBCHASS MANEUVER					D4200544			MA R		4200543	5 97800
C	INPUT DECODER 5A7				D4200553				MA R		4900501	4 97900
	STUD LOCK					B 90312			MA R		4200553	5 98000
	CONNECTOR INSTALL					C 90314			MA R		4200553	5 98100
B	INPUT DECODER SCHEM					J4200550			MA R		4200553	5 98200
C	CB1 ASSY INPUT DECOD					J4200551			MA R		4200553	5 98300
	TRANSIPAD INSTL						A 90127		MA R		4200551	6 98400
	TRANSIPAD INSTL						A 90303		MA R		4200551	6 98500
B	INPUT DECODER SCHEM						J4200550		MA R		4200551	6 98600
C	CB1 INPUT DECODER						A4200551PL		MA R		4200551	6 98700
A	CB1 PC INPUT DECODER						J4200555		MA R		4200551	6 98800
A	CB2 ASSY INPT DECODR					J4200552			MA R		4200553	5 98900
	TRANSIPAD INSTL						A 90303		MA R		4200552	6 99000
B	INPUT DECODER SCHEM						J4200550		MA R		4200552	6 99100
C	CB2 INPUT DECODER						A4200552PL		MA R		4200552	6 99200
A	CB2 PC INPUT DECODER						J4200556		MA R		4200552	6 99300
A	SUBCHAS INPUT DECODE					D4200554			MA R		4200553	5 99400
U	XFORMER RECT 5A8				D4200563				MA R		4900501	4 99500
	SCREW QUINTLOCK					B 90252			MA R		4200563	5 99600
	STUD LOCK					C 90312			MA R		4200563	5 99700
	CONNECTOR					C 90314			MA R		4200563	5 99800
B	XFORMER PWR CONVERTR					B4200263			MA R		4200563	5 99900

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CMT	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU. SER.			
A	CB2 XFMR RECT					D4200557			MA R		4200553	5	100000
B	CB2 TRANSFORMER RECT						A4200557PL		MA R		4200557	6	100100
C	CB2 PC XFMR RECTIF						J4200557		MA R		4200557	6	100200
D	XFMR RECT SCHEM						D4200560		MA R		4200557	6	100300
E	TRANSFORMER SCHEM					D4200560			MA R		4200563	5	100400
F	CB1 XFMR RECTIFIER					D4200561			MA R		4200563	5	100500
G	CB1 TRANSFORMER RECT						A4200561PL		MA R		4200561	6	100600
H	CB1 PC XFMR RECTIF						J4200562		MA R		4200561	6	100700
I	SUBCHAS XFMR RECT					D4200564			MA R		4200563	5	100800
J	BRACKET DIODE XFMR					B4200565			MA R		4200563	5	100900
K	STRAP RELAY CC65					C4200566			MA R		4200563	5	101000
L	INDUCTOR XFMR RECT					B4200567			MA R		4200563	5	101100
M	INSULATION BD XFMR					B4200568			MA R		4200563	5	101200
N	INDUCTOR BRKT XFMR					D4200569			MA R		4200563	5	101300
O	END COUNTER 5A3				D4200573				MA R		4900501	4	101400
P	QUINTLOCK STUD					B 90252			MA R		4200573	5	101500
Q	STUD LOCK					B 90312			MA R		4200573	5	101600
R	CONNECTOR INSTL					C 90314			MA R		4200573	5	101700
S	STRAP RELAY CC65					C3158929			MA R		4200573	5	101800
T	SUBCHASS END COUNTER					D4200537			MA R		4200573	5	101900
U	CB1 ASSY END COUNTER					J4200538			MA R		4200573	5	102000
V	TRANSIPAD INSTAL						A 90127		MA R		4200538	6	102100
W	CB1 END COUNTER						A4200538PL		MA R		4200538	6	102200
X	TM1 TRANSFLUXOR						B3152616		MA R		4200538	7	102215
Y	TM2 TRANSFLUXOR						B3152617		MA R		4200538	7	102215
Z	HOLDER MAGNETIC CORE						D3158596		MA R		4200538	6	102300
AA	END COUNTER SCHEM					J4200570			MA R		4200538	6	102400
AB	CB1						J4200571		MA R		4200538	6	102500
AC	CB2 ASSY END COUNTER					J4200539			MA R		4200573	5	102600
AD	TRANSIPAD INSTAL						A 90127		MA R		4200539	6	102700
AE	CB2 END COUNTER						A4200539PL		MA R		4200539	6	102800
AF	END COUNTER SCHEM					J4200570			MA R		4200539	6	102900
AG	CB2 PC END COUNTER					J4200572			MA R		4200539	6	102910
AH	END COUNTER SCHEM					J4200570			MA R		4200573	6	103000
AI	CB1 END COUNTER					A4200573PL2			MA R		4200573	5	103100
AJ	TM1 TRANSFLUXOR						B3152616		MA R		4200573	6	103110
AK	TM2 TRANSFLUXOR						B3152617		MA R		4200573	6	103120
AL	CB2 END COUNTER					A4200573PL5			MA R		4200573	5	103200
AM	TM1 TRANSFLUXOR						B3152616		MA R		4200573	6	103210
AN	TM2 TRANSFLUXOR						B3152617		MA R		4200573	6	103215

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									SERIAL	THRU. SER.			
A	TRANSFLUXOR TM10						B4200558		MA R		4200573	6	103250
B	TRANSFLUXOR TM7						B4200574		MA R		4200573	6	103255
C	TRANSFLUXOR TM8						B4200575		MA R		4200573	6	103300
D	TRANSFLUXOR TM9						B4200576		MA R		4200573	6	103400
E	PYROTECHNIC CONT 8A1				J4200580				MA R		4900501	4	103500
F	ADHESIVE					A 90091			MA R		4200580	5	103600
G	RESIN					A 90154			MA R		4200580	5	103700
H	STUD LOCK FEMALE					B 90312			MA R		4200580	5	103800
I	CONNECTOR INSTL					C 90314			MA R		4200580	5	103900
J	SCHEMATIC DIAGRAM					J4200419			MA R		4200580	5	104000
K	CB1 ASSY PYROTECHNIC					D4200581			MA R		4200580	5	104100
L	SCHEMATIC DIAGRAM						J4200419		MA R		4200581	6	104200
M	CB1 PYROTECHNIC CONT						D4200578		MA R		4200581	6	104300
N	ADHESIVE							A 90091	MA R		4200578	7	104400
O	CB2 PYROTECHNIC CONT					J4200582			MA R		4200580	5	104500
P	ADHESIVE					A 90091			MA R		4200582	6	104600
Q	TRANSIPAD					A 90127			MA R		4200582	6	104700
R	SCHEMATIC DIAGRAM					J4200419			MA R		4200582	6	104800
S	CB2 PC PYROTECHNIC						J4200579		MA R		4200582	6	104900
T	PYROTECHNIC CONT CB2						A4200582PL		MA R		4200582	6	105000
U	BLOCK RELAY PYROTECH					C4200584			MA R		4200580	5	105100
V	SUBCHASS PYRO CONT					J4200585			MA R		4200580	5	105200
W	CB3 ASSY PYROTECHNIC					C4200618			MA R		4200580	5	105300
X	SCHEMATIC DIAGRAM						J4200419		MA R		4200618	6	105400
Y	CB3 PYROTECHNIC CONT						C4200617		MA R		4200618	6	105500
Z	ADHESIVE							A 90091	MA R		4200617	7	105600
AA	CB4 PYROTECHNIC CONT					C4200619			MA R		4200580	5	105700
AB	ADHESIVE					A 90091			MA R		4200619	6	105800
AC	CB4 ASSY PYROTECHNIC					C4200628			MA R		4200580	5	105900
AD	SCHEMATIC DIAGRAM						J4200419		MA R		4200628	6	106000
AE	CB4 PYROTECHNIC CONT						C4200627		MA R		4200628	6	106100
AF	ADHESIVE							A 90091	MA R		4200627	7	106200
AG	CB6 ASSY					C4200637			MA R		4200580	5	106300
AH	SCHEMATIC DIAGRAM						J4200419		MA R		4200637	6	106400
AI	CB6 PYROTECHNIC CONT						C4200636		MA R		4200637	6	106500
AJ	CB #1 PYROTECH CONT					D4200649			MA R		4200580	5	106600
AK	SCHEMATIC DIAGRAM						J4200419		MA R		4200649	6	106700
AL	TERMINAL BOARD 7						C4200648		MA R		4200649	6	106800
AM	SPACER PYROTECHNIC						B4200655		MA R		4200580	5	106900
AN	COVER ALIGNMENT				C4200642				MA R		4900501	4	107000

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Q	TRANSPONDER 241				D4300187				MA R			4900501	4	107100
A	SUBCHASSIS XPONDER					D4800040			MA R			4300187	5	107200
	XPONDER SUBASSY				F0120123				MA R			4300187	5	107300
	OSCILLATOR RADIO						F0120148		MA R			120123	6	107400
	COIL RADIO FREQ							C2420841	MA R			120148	7	107500
	CHASS ELECT EQUIP							F2720100	MA R			120148	7	107600
	BLOCK MTG VCO T1							B4620138	MA R			120148	7	107700
	XFORMER RADIO FREQ							C2420142	MA R			4620138	8	107800
	BLOCK MTG SMALL VCO							C4620101	MA R			4620138	8	107900
	BLOCK MTG SUBASSY VCO							C4620863	MA R			120148	7	108000
	XFORMER RADIO FREQ							C2420143	MA R			4620863	8	108100
	XFORMER RADIO VCO T3							C2420144	MA R			4620863	8	108200
	XFORMER RADIO VCO T4							C2420145	MA R			4620863	8	108300
	XFORMER RADIO FREQ							C2420147	MA R			4620863	8	108400
	XFMR RADIO FREQ VCO							C2420864	MA R			4620863	8	108500
	BLOCK MTG VCO							C4620861	MA R			4620863	8	108600
	CRYSTAL UNIT QUARTZ							C4822700	MA R			120148	7	108700
	HOLDER CRYSTAL UNIT							C1520206	MA R			4822700	8	108800
	OSCILLATOR RADIO							F6320806	MA R			120148	7	108900
	CONVERTER FREQ ELECT						D0120170		MA R			120123	6	109000
	BLOCK MTG SUBASSY							B0120834	MA R			120170	7	109100
	XFMR RF FREQ							C2420836	MA R			120834	8	109200
	COIL RF FREQ CONVERT							C2420837	MA R			120834	8	109300
	XFMR RAD FREQ CONVERT							C2425224	MA R			120834	8	109400
	BLOCK MTG FREQ							C4620135	MA R			120834	8	109500
	FREQ CONVERTER LOWER							C0120855	MA R			120170	7	109600
	XFMR RADIO FREQ							C2420382	MA R			120855	8	109700
	BLOCK MOUNTING DIODE							D4620223	MA R			120855	8	109800
	FREQ CONVERTER SUBASSY							D0120856	MA R			120170	7	109900
	COIL RADIO FREQ							B2420384	MA R			120856	8	110000
	CONTACT EL MIXER							C3920222	MA R			120856	8	110100
	RETAINER THREADED							C0320280	MA R			120170	7	110200
	GROMMET METALLIC							B0520857	MA R			120170	7	110300
	BRACKET RETAINER							D0720262	MA R			120170	7	110400
	COVER DUST							D1520274	MA R			120170	7	110500
	XFMR RADIO FREQ							C2420381	MA R			120170	7	110600
	XFMR RADIO FREQ							C2420383	MA R			120170	7	110700
	CHASS ELECT EQUIP							F2720132	MA R			120170	7	110800
	CHASS ELECT EQUIP							F2726593	MA R			120170	7	110900
	CONTACT ELECT MIXR LWR							C3922745	MA R			120170	7	111000

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	RETAINER SEMICONDUCT							D4220224	MA R			120170	7	111100
	CONVERTER FREQ SCHEM							F6320802	MA R			120170	7	111200
	TUNING ASSY							B7720835	MA R			120170	7	111300
	FORM COIL							B7420838	MA R			7720835	8	111400
	FILTER LOW PASS							D0120173B	MA R			120123	6	111500
	FILTER SUBASSY LOW							B0120168	MA R			120173	7	111600
	BLOCK MTG							C4620122	MA R			120168	8	111700
	CAPACITOR FIXED PLAS							D0820219	MA R			120173	7	111800
	INSULATOR PLATE							B1420136	MA R			120173	7	111900
	CHASS ELECT EQUIP							F2720121	MA R			120173	7	112000
	BLOCK MTG							C4620122	MA R			120173	7	112100
	BLOCK MTG XFMR							C4620316	MA R			120173	7	112200
	FILTER LOW PASS							D6320805	MA R			120173	7	112300
	OSCILLATOR RADIO							D0120175B	MA R			120123	6	112400
	COIL RADIO FREQ							C2420850	MA R			120175	7	112500
	XFMR RADIO FREQUENCY							C2425216	MA R			120175	7	112600
	XFMR RADIO FREQUENCY							C2425217	MA R			120175	7	112700
	CHASS ELECT EQUIP							F2720158	MA R			120175	7	112800
	BLOCK MTG AUX OSC Q1							B4620169	MA R			120175	7	112900
	BLOCK MTG XFORMER							C4620109	MA R			4620169	8	113000
	BLOCK MTG AUX OSC Q2							B4620179	MA R			120175	7	113100
	XFORMER RADIO T2							C2420183	MA R			4620179	8	113200
	BLOCK MTG XFORMER							C4620109	MA R			4620179	8	113300
	BLOCK MTG AUX OSC Q3							B4620180	MA R			120175	7	113400
	BLOCK MTG XFORMER							C4620109	MA R			4620180	8	113500
	BLOCK MTG AUX OSC Q5							B4620181	MA R			120175	7	113600
	XFORMER RADIO T4							C2420185	MA R			4620181	8	113700
	BLOCK MTG XFORMER							C4620109	MA R			4620181	8	113800
	BLOCK MOUNT AUX OSC							B4620854	MA R			120175	7	113900
	XFORMER RADIO T4							C2420185	MA R			4620854	8	114000
	CRYSTAL UNIT QUARTZ							C4822700	MA R			120175	7	114100
	OSCILLATOR AUXILIARY							F6320803	MA R			120175	7	114200
	FREQUENCY MULTIPLIER							D0120175B	MA R			120123	6	114300
	CAVITY TUNED X7							H0120310	MA R			120176	7	114400
	NUT PLAIN HEXAGON							B0220126	MA R			120310	8	114500
	SCREW TUNER CAVITY							C0320127	MA R			120310	8	114600
	INSULATOR CONTACT							B1422730	MA R			120310	8	114700
	INSULATOR							C1422733	MA R			120310	8	114800
	SHELL CAVITY SUBASSY							D1522736	MA R			120310	8	114900
	CONTACT ELECTRICAL							C3920192	MA R			120310	8	115000

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									SERIAL	THRU, SER.			
	CONTACT ELECTRICAL							C1970173	MA R		120310	8	115100
	CONDUCTOR SECTION							B4420298	MA R		120310	8	115200
	ALIGNMENT DEVICE							B4420233	MA R		120310	8	115300
	DISK CENTER TUNED							B4420225	MA R		120310	8	115400
	PLATE END TUNED CAVITY							B6420291	MA R		120310	8	115500
	PLATE TUNED CAVITY							B6420882	MA R		120310	8	115600
	SHELL TUNED CAVITY							B1420276	MA R		120176	7	115700
	XFMR RADIO FREQ							C2420827	MA R		120176	7	115800
	XFMR RADIO FREQ							C2420828	MA R		120176	7	115900
	COIL RADIO FREQ VARI							C2420213	MA R		120176	7	116000
	CHASS ELECT EQUIP							F2720130	MA R		120176	7	116100
	BLOCK MTG FREQ MULT							C4620823	MA R		120176	7	116300
	COIL RADIO FREQ							C2420831	MA R		4620823	8	116400
	BLOCK SUBASSY MTG							C4620207	MA R		4620823	8	116500
A	BLOCK MTG ANGLE							C4620209	MA R		4620207	9	116600
A	BLOCK MTG XSISTR LG							C4620204	MA R		4620207	9	116700
A	BLOCK MTG XSISTR							C4620207	MA R		4620207	9	116800
	BLOCK MTG FREQ MULT							C4620824	MA R		120176	7	116900
	BLOCK MTG FREQ MULT							C4620825	MA R		120176	7	117000
	BLOCK SUBASSY MTG							C4620207	MA R		4620825	8	117100
	BLOCK MTG FREQ MULT							C4620826	MA R		120176	7	117200
	BLOCK SUBASSY MTG							C4620826	MA R		4620826	8	117300
A	BLOCK MTG XSISTOR							C4620887	MA R		4620825	9	117400
A	BLOCK MTG X16 MULT							C4620894	MA R		4620825	9	117500
	FREQ MULTI SCHEMATIC							C4620807	MA R		120176	7	117600
	FREQ MULTIPLIER							C0120177	MA R		120123	6	117700
	CAVITY TUNED X4							H0122726	MA R		120177	7	117800
	SCREW TUNER CAVITY							C0420127	MA R		122726	8	117900
	INSULATOR CONTACT							B1422730	MA R		122726	8	118000
	INSULATOR							C1422733	MA R		122726	8	118100
	INSULATOR CAV							B1422750	MA R		122726	8	118200
	SHELL CAVITY SUBASSY							D1522736	MA R		122726	8	118300
	CONTACT ELECTRICAL							C3920192	MA R		122726	8	118400
	CONDUCTOR SECTION							C3920298	MA R		122726	8	118500
	ALIGNMENT DEVICE							B4420233	MA R		122726	8	118600
	DISK CENTER TUNED							B4420225	MA R		122726	8	118700
	PLATE END TUNED CAVITY							B6420291	MA R		122726	8	118800
	PLATE TUNED CAVITY							C4620882	MA R		122726	8	118900
	WASHER FLAT							B3420202	MA R		120177	7	119000
	SHELL TUNED CAVITY							D1520306	MA R		120177	7	119100

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									SERIAL	THRU, SER.			
	XFMR RADIO FREQ							C2420870	MA R		120177	7	119200
	XFMR RADIO FREQ							C2420821	MA R		120177	7	119300
	CHASS ELECT EQUIP							F2720129	MA R		120177	7	119400
	BLOCK MTG FREQ MULT							C4620815	MA R		120177	7	119500
	BLOCK SUBASSY MTG							C4620207	MA R		4620815	8	119600
	BLOCK MTG FREQ MULT							C4620818	MA R		120177	7	119700
	BLOCK SUBASSY MTG							C4620825	MA R		4620818	8	119800
	BLOCK MTG FREQ MULT							C4620822	MA R		120177	7	119900
	BLOCK SUBASSY MTG							C4620825	MA R		4620822	8	120000
	FREQ MULTIPLIER							D6420804	MA R		120177	7	120100
	FORM COIL X16							B7422752	MA R		120177	7	120200
	BRACKET CONNECTR MTG							D0720134B	MA R		120123	6	120300
	INSULATOR BUSHING							B1420221A	MA R		120123	6	120400
	INSULATOR XFORMER							B1420277A	MA R		120123	6	120500
	BASE COIL							B2770276A	MA R		120123	6	120600
	CABLE ASSY RF							C3020842B	MA R		120123	6	120700
	CABLE ASSY RF							C3020843B	MA R		120123	6	120800
	CABLE ASSY RF W16W11							C3020844B	MA R		120123	6	120900
	CABLE ASSY							C3020851B	MA R		120123	6	121000
	CABLE ASSY							D3020852B	MA R		120123	6	121100
	CONTACT STRIP							B3922720A	MA R		120123	6	121200
	BUSHING CONTACT ELEC							B4322746A	MA R		120123	6	121300
	BLOCK MTG XFMR							C4620205A	MA R		120123	6	121400
	BLK MTR TRANSISTOR							C4620228B	MA R		120123	6	121500
	FORM COIL							B7420278A	MA R		120123	6	121600
C	TRANSPONDER 2A2				4300188				MA R		4900501	4	121700
A	SUBCHASSIS XPONDER						D4800040		MA R		4300188	5	121800
	XPONDER SUBASSY						F0120176		MA R		4300188	5	121900
	FREQUENCY DIVIDER							F0120159B	MA R		120178	6	122000
	XFORMER RADIO FREQ							C2420154	MA R		120159	7	122100
	COIL RAD FREQ DIVIDR							C2420220	MA R		120159	7	122200
	CHASSIS ELECT EQUIP							F2720108	MA R		120159	7	122300
	BLOCK MTG FREQ DIVIDR							B4620117	MA R		120159	7	122400
	XFORMER RADIO FREQ							C2420153	MA R		4620117	8	122500
	BLOCK MTG XFORMER							C4620113	MA R		4620117	8	122600
	BLOCK MTG FREQ DIVIDR							B4620149	MA R		120159	7	122700
	BLOCK MTG XFORMER							C4620111	MA R		4620149	8	122800
	BLOCK MTG FREQ DIVIDR							B4620150	MA R		120159	7	122900
	XFORMER RADIO FREQ							C2420155	MA R		4620150	8	123000
	BLOCK MTG FREQ							C4620112	MA R		4620150	8	123100

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**DRAWING LIST, OFFSET**

CIR LET	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU, SER.			
	BLOCK MTG FREQ DIVID							B4620151	MA R		120175	7	123200
	XFORMER RADIO T5							C420156	MA R		4620151	8	123300
	BLOCK MTG XFORMER							C4620111	MA R		4620151	8	123400
	BLOCK MTG FREQ DIVID							B4620152	MA R		120159	7	123500
	XFORMER RADIO T6							C2420157	MA R		4620152	8	123600
	BLOCK MTG XFORMER							C4620109	MA R		4620152	8	123700
	FREQ DIVIDER							F6320512	MA R		120159	7	123800
	DETECTOR RADIO -REQ						D0120160	MA R			120178	6	123900
	XFORMER RADIO T4							C2420166	MA R		120160	7	124000
	XFORMER RADIO FREQ							C2420167	MA R		120160	7	124100
	CHASS ELECT EQUIP							F2720116	MA R		120160	7	124200
	BLOCK MTG SUBASSY							C4620161	MA R		120160	7	124300
	BLOCK MTG RF DET							C4620110	MA R		4620161	8	124400
	BLOCK MTG RF DETECTA							B4620162	MA R		120160	7	124500
	XFORMER RADIO T3							C2420165	MA R		4620162	8	124600
	BLOCK MTG							C4620114	MA R		4620162	8	124700
	DETECTOR SCHEMATIC							D6320811	MA R		120160	7	124800
	AMPLIFIER INTER FREQ						D0120171	MA R			120178	6	124900
	COTE RADIO FREQUENCY							C2425214	MA R		120171	7	125000
	CHASS ELECT EQUIP							F2720104	MA R		120171	7	125100
	BLOCK MTG FIRST							B4620186	MA R		120171	7	125200
	XFORMER RADIO FREQUENCY							C2425202	MA R		4620186	8	125300
	BLOCK MTG XISTOR							C4620103	MA R		4620186	8	125400
	BLOCK MTG							B4625204	MA R		120171	7	125500
	BLK MTG MLC XISTOR							C4625203	MA R		4625204	8	125600
	BLK ASSY MOUNTING							C4625205	MA R		120171	7	125700
	AMPLIFIER FIRST							F6320810	MA R		120171	7	125800
	AMP 2 INTERMED. FREQ						D0120172	MA R			120178	6	125900
	AMPLIFIER SUBASSY							D0120199	MA R		120172	7	126000
	XFORMER RADIO FREQ							C2420196	MA R		120199	8	126100
	XFORMER RADIO FREQ							C2420197	MA R		120199	8	126200
	XFORMER RADIO FREQ							C2420198	MA R		120199	8	126300
	BLOCK MTG SECOND IF							C4620124	MA R		120199	8	126400
	FILTER BAND PASS CRY							D2522710	MA R		120172	7	126500
	CHASS ELECT EQUIP							H2720118	MA R		120172	7	126600
	AMPL IMMEDIATE SCHEM							D6320809	MA R		120172	7	126700
	AMPLIFIER DIRECT						D0120174	MA R			120178	6	126800
	INSULATOR PLATE							B1420202	MA R		120174	7	126900
	CHASS ELECT EQUIP							F2720131	MA R		120174	7	127000
	BLOCK MTG AMPL							C4620845	MA R		120174	7	127100

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CIR LET	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU, SER.			
	BLOCK AGC AMP							C4620255	MA R		4620845	8	127200
	BLOCK MTG XISTOR LG							C4620204	MA R		4620845	8	127300
	BLOCK MTG AGC AMP							C4620254	MA R		4620255	8	127400
	BLOCK MTG AMPL							C4620846	MA R		120174	7	127500
	BLOCK AGC AMP							C4620255	MA R		4620846	8	127600
	BLOCK MTG AMPL							C4620847	MA R		120174	7	127700
	BLOCK AGC AMP							C4620255	MA R		4620847	8	127800
	BLOCK MTG AMPL							C4620848	MA R		120174	7	127900
	BLOCK AGC AMP							C4620255	MA R		4620848	8	128000
	BLOCK MTG AMPL							C4620849	MA R		120174	7	128100
	BLOCK AGC AMP							C4620255	MA R		4620849	8	128200
	AMPLIFIER DIRECT SCHEM							D6320806	MA R		120174	7	128300
	WASHER PART							B0420201A	MA R		120178	5	128400
	BRACKET CONNECTOR MTG							D0720137B	MA R		120178	6	128500
	HOUSING XFORMER							H1520133B	MA R		120178	6	128600
	CABLE ASSY RF							C3020842B	MA R		120178	6	128700
	CABLE ASSY RF							C3020843B	MA R		120178	6	128800
	CABLE ASSY RF #15W11							C3020844B	MA R		120178	6	128900
	CABLE ASSY							C3020851B	MA R		120178	6	129000
	CABLE ASSY							D3020853B	MA R		120178	6	129100
	FILTER SUBASSY 249				D4300194				MA R		4900501	4	129200
	PIB								MA R		4300194	5	129300
	TUNING BLOCK							6141500B	MA R		4300194	5	129400
	RESONATOR							6141500A	MA R		4300194	5	129500
	DISPLAY FILTER FE204							61415015	MA R		4300194	5	129600
	FILTER HOUSING							61415027	MA R		4300194	5	129700
	COVER							61415025	MA R		4300194	5	129800
	REFLECT SUPPORT							61415026	MA R		4300194	5	129900
	FILTER ASSY FL204							61415022	MA R		4300194	5	130000
	WILLECTRIC SUPPORT							61415047	MA R		4300194	5	130100
	ANT COUPLING ASSY							61415041	MA R		4300194	5	130200
	JET SCREW							61415042	MA R		4300194	5	130300
	SUPPORT ROD							61415043	MA R		4300194	5	130400
	RESONATOR SHAFT							61415044	MA R		4300194	5	130500
	SUPPORT NUT							61415045	MA R		4300194	5	130600
	AUTO PILOT 7A4 SUBASSY				D4300204				MA R		4900501	4	130700
	AUTOPILLOT ACTUATOR							61415046	MA R		4300204	5	130800
	SLEEVE INSUL AUTOPLT							B 106106	MA R		106100	6	130900
	WASHER-INSUL AUTOPLT							B 106107	MA R		106100	6	131000
	AUTOPILLOT ELECTRONIC							A 106100PL	MA R		106100	6	131100

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REF. LIST	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE	THRU, SER.	NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
D	AUTOPILOT ELECTRONIC						D 106101		MA R		106100	6	131500
E	TB AUTOPLT ACTR ELEC						6 106102		MA R		106100	6	131600
	ART WORK							106103	MA R		106102	7	131700
	ART WORK							106104	MA R		106102	7	131800
A	SUBCHASS AUTOPILOT						D 106105		MA R		106100	6	131900
C	ANTENNA & SERVO 7A13				D4300205				MA R		4900501	4	132000
C	ANT SERVO SUBASSY					6 106130			MA R		4300205	5	132100
E	SUBCHAS ANT&PHP						6 106118		MA R		106130	6	132200
D	SERVO ANT DRIVE ASSY						6 106119		MA R		106130	6	132300
E	SHIELD ANT&PHP							C 106121	MA R		106119	7	132400
A	SPT ANT&PHP SERVO							C 106122	MA R		106119	7	132500
A	CPLG ANT&PHP SERVO							C 106123	MA R		106119	7	132600
E	GUIDE ANT&PHP SERVO							1 106124	MA R		106119	7	132700
E	SPACER ANT&PHP SERVO							D 106120	MA R		106119	7	132800
C	CAP SEAL ANT&PHP						D 106125		MA R		106130	6	132900
E	INS ANT&PHP ELEC						D 106126		MA R		106130	6	133000
A	XMFR ASSY ANT&PHP						4 106127		MA R		106130	6	133100
C	ANT SERVO ELECTRONICS						A 106130	PL	MA R		106130	6	133200
E	ANT SERVO SUBASSY						106131		MA R		106130	6	133300
E	TERM BD ANT SERVO						6 106132		MA R		106130	6	133400
	ART WORK							106133	MA R		106132	7	133500
	ART WORK							106134	MA R		106132	7	133600
D	BOOSTER REGULATOR				D4400011				MA R		4900501	4	133700
	DIODE INSTALL					C 90086			MA R		4400011	5	133800
	ADHESIVE					A 90091			MA R		4400011	5	133900
	SCREW LOCK MECH					B 90312			MA R		4400011	5	134000
	CONNECTOR INSTALL					C 90314			MA R		4400011	5	134100
	TRANSISTOR INSTALL					B 90358			MA R		4400011	5	134200
F	BOOSTER REGULAT SCHM					D4400007			MA R		4400011	5	134300
	INDUCTOR					B4400009			MA R		4400011	5	134400
C	POWER XMFR T3					B4400010			MA R		4400011	5	134500
K	CHASS BOOSTER REG					D4400012			MA R		4400011	5	134600
A	CAPACITOR SUBASSY					B4400013			MA R		4400011	5	134700
	CASTING RESIN						A 90099		MA R		4400013	6	134800
F	SCHEMATIC DIAG						D4400007		MA R		4400013	6	134900
	CHASSIS					C4400014			MA R		4400013	6	135000
E	COVER					D4400015			MA R		4400011	5	135100
B	CAPACITOR ASSEMBLY					B4400086			MA R		4400011	5	135200
H	SCHEMATIC DIAGRAM						C4400007		MA R		4400086	6	135300
E	CB1 BSTR REG & POWER					D4400089			MA R		4400011	5	135400

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REF. LIST	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE	THRU, SER.	NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
	ADHESIVE						A 90091		MA R		4400089	6	135500
	TRANSIPAD						A 90127		MA R		4400089	6	135600
C	BOOSTER REG CB1						A4400089	PL	MA R		4400089	6	135700
A	PRINTED CIRCUITRY CB						A4400090		MA R		4400089	6	135800
E	400 CPS PWR AMP 4A8				D4400018				MA R		4900501	4	135900
E	400 CY PWR SUP SCHEM					D4400017			MA R		4400018	5	136000
	PARTS LIST					A4400018	PL		MA R		4400018	5	136100
	TRANSISTOR SUBASSY 1					C4400025			MA R		4400018	5	136200
E	SUBCHASS ASSY POWER					J4400019			MA R		4400018	5	136300
A	XMFR T3 POWER SUPPLY					C4400022			MA R		4400018	5	136400
B	CHOKE L1 POWER SUPPLY					C4400023			MA R		4400018	5	136500
A	TRANSISTOR SUBASSY 1					C4400026			MA R		4400018	5	136600
E	400 CY PWR SUP SCHEM						D4400017		MA R		4400026	6	136700
	TRANSISTOR SUPPORT						C4400030		MA R		4400026	6	136800
	INSULATOR POWER SUPP						C4400027		MA R		4400018	5	136900
	INSULATOR PWR SUPPLY						C4400028		MA R		4400018	5	137000
	CB1 PWR SUPPLY						D4400029		MA R		4400018	5	137100
E	400 CY PWR SUP SCHEM						D4400017		MA R		4400029	6	137200
A	CB1 400 CYCLE PWR						A4400029	PL	MA R		4400029	6	137300
	CB1 PWR SUPPLY						D4400078		MA R		4400029	6	137400
A	CB2 PWR SUPPLY					D4400077			MA R		4400018	5	137500
E	400 CY PWR SUP SCHEM						D4400017		MA R		4400077	6	137600
A	CB 2 PWR SUPPLY						A4400077	PL	MA R		4400077	6	137700
A	CB1 PWR SUPPLY						D4400079		MA R		4400077	6	137800
	CB3 PWR SUPPLY						C4400093		MA R		4400018	5	137900
E	400 CY PWR SUP SCHEM						D4400017		MA R		4400093	6	138000
	CB4 400 CYCLE PW SUP						C4400211		MA R		4400018	5	138100
E	400 CY PWR SUP SCHEM						D4400017		MA R		4400211	6	138200
	CHOKE L3 PW SUPP 400						B4400213		MA R		4400018	5	138300
D	POWER SYNCHRO 4A6				D4400031				MA R		4900501	4	138400
	ADHESIVE						A 90091		MA R		4400031	5	138500
	TRANSISTOR MOUNT						C 90116		MA R		4400031	5	138600
	NUT TRANSISTOR MOUNT						A 90126		MA R		4400031	5	138700
	STUD LOCK FEMALE						B 90312		MA R		4400031	5	138800
	CONNECTOR INSTALL						C 90314		MA R		4400031	5	138900
	SPECIMEN TENSILE						C 90316		MA R		4400031	5	139000
	TRANSISTOR INSTL						B 90358		MA R		4400031	5	139100
F	SUBCHASSIS PWR SYNC					D4400032			MA R		4400031	5	139200
	CB1 POWER SYNCHRON					D4400033			MA R		4400031	5	139300
	CB1 POWER SYNCHRON						A4400033	PL	MA R		4400033	6	139400

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QTY	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE	RENT	OFF. COL.	SEQUENCE NUMBER
	POWER SYNCHRON SCHEM PCB						J4400035		MA R	4400035	6	139500
	CB2 POWER SYNCHRON ADHESIVE					D4400034	J4400036		MA R	4400036	6	139600
	TRANSIPAD INSTALL SCREW QUINTLOCK						A 90091		MA R	4400037	6	139700
	CB2 POWER SYNCHRON SCHEM						A 90127		MA R	4400034	6	139900
	PC TB2 POWER SYNCHRON SCHEM						B 90252		MA R	4400034	6	140000
	PC TB2 POWER SYNCHRON SCHEM						A4400034PL		MA R	4400034	6	140100
	POWER SYNCHRON SCHEM						J4400035		MA R	4400034	6	140200
	XFMR DRIVER PWR SYNC SATURABLE XFMR						C4400037		MA R	4400034	6	140300
	CAPACITOR ASSY ADHESIVE						B4400083		MA R	4400031	5	140400
	POWER SYNCHRON SCHEM CHOKE L1 POWER SYNC						A 90091		MA R	4400083	6	140800
	BATTERY CHARGER 4A7 DIODE INSTALLATION						J4400035		MA R	4400083	6	140900
	ADHESIVE						B4400215		MA R	4400031	5	141000
	STUD LOCK FEMALE						C 90085		MA R	4900501	4	141100
	CONNECTOR INSTL WASHER INSULATION						A 90091		MA R	4400042	5	141200
	SPACER						B 90312		MA R	4400042	5	141300
	SUBCHASS BATT CHARGE						C 90314		MA R	4400042	5	141500
	CB4						B 90392		MA R	4400042	5	141600
	CB1 BATTERY CHARGER						B 90393		MA R	4400042	5	141700
	ADHESIVE						D4400016		MA R	4400042	5	141800
	TRANSIPAD						B4400087		MA R	4400016	6	141900
	SCREW QUINTLOCK						D4400043		MA R	4400042	5	142000
	CB1 BATTERY CHARGER						A 90091		MA R	4400043	6	142100
	ADHESIVE						A 90127		MA R	4400043	6	142200
	SCREW QUINTLOCK						B 90252		MA R	4400043	6	142300
	CB1 BATTERY CHARGER						A4400043PL		MA R	4400043	6	142400
	SCHEMATIC DIAG						C4400044		MA R	4400043	6	142500
	PC TB1 BATT CHARGER						D4400045		MA R	4400043	6	142600
	SCHEMATIC DIAG						C4400044		MA R	4400042	5	142700
	HOUSING INSULATOR						D4600016		MA R	4400042	5	142710
	BATTERY CHASSIS 4A14						J4400200		MA R	4900501	4	142800
	BATTERY ASSY						E2011000		MA R	4400200	5	142850
	BATTERY SCHEMATIC						5 106304		MA R	2011000	6	142875
	CHASSIS BATTERY						J4400201		MA R	2011000	6	142900
	COVER BATTERY						J4400202		MA R	2011000	6	143000
	PACKAGING BATTERY						D2001069		MA R	2011000	6	143010

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QTY	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE	RENT	OFF. COL.	SEQUENCE NUMBER
	BOX INTERIOR						B2001067		MA R	2001067	7	143012
	BOX EXTERIOR						B2001068		MA R	2001068	7	143014
	WIRING DIAGRAM						C2012008		MA R	2011000	6	143016
	MONOBLOCK POSITIVE						D2012014		MA R	2011000	6	143018
	CONTAINER REINF						A1912014		MA R	2012014	7	143020
	POS & NEG ASSY						C2012001		MA R	2012014	7	143022
	POSITIVE PLATE						B2012002		MA R	2012001	8	143024
	NEGATIVE ASSY						B2012003		MA R	2012001	8	143026
	GRID ASSY NEGATIVE						B2012004		MA R	2012003	9	143028
	RETAINER						A2012006		MA R	2012003	9	143030
	SEPARATOR POSITIVE						A2012005		MA R	2012001	8	143032
	CONTAINERS						C2012007		MA R	2012014	7	143034
	HEAT TRANSFER						B2012009		MA R	2012014	7	143036
	POTTING CHANNEL						B2012010		MA R	2012014	7	143038
	POTTING CHANNEL						B2012011		MA R	2012014	7	143040
	5 CELL COVER						B2012012		MA R	2012014	7	143042
	4 CELL COVER						B2012013		MA R	2012014	7	143044
	MONOBLOCK NEGATIVE						D2012015		MA R	2011000	6	143046
	CONTAINER REINF						A1912014		MA R	2012015	7	143048
	POS & NEG ASSY						C2012001		MA R	2012015	7	143050
	POSITIVE PLATE						B2012002		MA R	2012001	8	143052
	NEGATIVE ASSY						B2012003		MA R	2012001	8	143054
	GRID ASSY NEGATIVE						B2012004		MA R	2012003	9	143056
	RETAINER						A2012006		MA R	2012003	9	143058
	SEPARATOR POSITIVE						A2012005		MA R	2012001	8	143060
	CONTAINERS						C2012007		MA R	2012015	7	143062
	HEAT TRANSFER						B2012009		MA R	2012015	7	143064
	POTTING CHANNEL						B2012010		MA R	2012015	7	143066
	POTTING CHANNEL						B2012011		MA R	2012015	7	143068
	5 CELL COVER						B2012012		MA R	2012015	7	143070
	4 CELL COVER						B2012013		MA R	2012015	7	143072
	TRANSDUCER ASSY						A2012019		MA R	2011000	6	143074
	TRANSDUCER PANEL						A2012016		MA R	2012019	7	143076
	TERMINAL BOARD						A2012017		MA R	2012019	7	143078
	TERMINAL ASSY						A2012018		MA R	2012019	7	143080
	STAMPS MARINER R						B2012020		MA R	2011000	6	143082
	CHASSIS POWER ASSY						J4400204		MA R	4900501	4	143100
	CUP POTTING						C 90190		MA R	4400204	5	143200
	STUD LOCK FEMALE						B 90312		MA R	4400204	5	143300
	CONNECTOR						C 90314		MA R	4400204	5	143400

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CDS LET.	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU, SER.			
E	2400CPS PWR AMPL 4A5					04400003	B 40312		MA R		44000003	5	143401
	STUD LOCK								MA R		44000003	6	143402
F	CONNECTOR INSTL						C 40314		MA R		44000003	8	143403
	PWR SUP 2.4KC SCHEM						04400004		MA R		44000003	6	143404
D	SUBCHASSIS PWR SUP						04400004		MA R		44000003	6	143405
	SUBCHASSIS							04400000	MA R		44000004	7	143406
	POWER XFMR T-1						B4400005		MA R		44000003	6	143407
C	CHASSIS POWER					J4400127			MA R		4400204	5	143410
	HOUSING PLATE SECT					04600003			MA R		4400204	5	143420
	HOUSING CATHODE SECT					04600002			MA R		44000003	6	143430
	TRANSDUCER					C4600161			MA R		4400204	5	143500
A	ANGLE CONNECTOR					C4800076			MA R		4400204	5	143600
A	CLAMP WIRE					B4800078			MA R		4400204	5	143700
A	CLAMP THERMOCOUPLE					B4800080			MA R		4400204	5	143800
	HINGE PIN					04900503			MA R		4400204	5	143900
	TOP SHIELD ASSY				04400210				MA R		4900501	4	144000
	SURFACE TREATMENT					B 40302			MA R		4400210	5	144100
C	CHASSIS ASSY DATA				J4500121				MA R		4900501	4	144200
A	SHIELD, CHASSIS ASSY					J4500152			MA R		4500121	5	144210
	TRANSDUCER					C4600161			MA R		4500121	5	144200
	SHIELD CHASSIS					04600337			MA R		4500121	5	144400
A	CLAMP WIRE					B4600078			MA R		4500121	5	144500
A	CLAMP THERMOCOUPLE					B4800050			MA R		4500121	5	144600
	ANGLE CONN MOUNTING					C4800314			MA R		4500121	5	144700
	SURFACE TREAT&HANDLE						A 40302		MA R		4800314	6	144800
	HINGE PIN					04900503			MA R		4500121	5	144900
A	TOP SHIELD ASSY 3				J4500153				MA R		4900501	4	145000
D	COMM TR CONT 3A3				C4600308				MA R		4900501	4	145100
	SUBCHASSIS MACHINED					4900039			MA R		4600306	5	145200
	POWER SUPPLY-3A3					25382			MA R		4600308	5	145300
	SELF-LKG 4-40X3/16						14049		MA R		25382	6	145400
	PAN HD 6-32X 5/16						15013		MA R		25382	6	145500
	WASH LOCK #4 MED SPL						15067		MA R		25382	6	145600
	SCHEMATIC						6322504		MA R		25382	6	145650
	HOUSING SUBCHASSIS						22645		MA R		25382	6	145700
	SPACER SUBCHASSIS						22647		MA R		25382	6	145800
	POWER SUPPLY ASSY OF						25369		MA R		25382	6	145900
	5V 28V RECT MODULE							25344	MA R		25369	7	146000
	RES FXD 10-5-1/4							15021	MA R		25344	8	146100
	PCB							25345	MA R		25344	8	146200

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CDS LET.	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU, SER.			
	PCB							25346	MA R		25347	8	146300
	6 VOLT REC-FIL MOD							25347	MA R		25369	7	146400
	PCB							25348	MA R		25347	8	146500
	INS SLVG #18 WHT							14143	MA R		25369	7	146600
	WIRE ELEC B-22-V WHT							15015	MA R		25369	7	146700
	TRANSFORMER AF-211							22629	MA R		25369	7	146800
	TRANSFORMER AF-212							22630	MA R		25369	7	146900
	INDUCTOR-3MH							22631	MA R		25369	7	147000
	PCB							25349	MA R		25369	7	147100
	PCB							25353	MA R		25369	7	147200
	DUMMY MODULE							25340	MA R		25369	7	147300
	INS LACQUER							25303	MA R		25369	7	147400
	SPACER CONN ELEC							25385	MA R		25382	6	147500
D	COMM DECT B CON 3A2				04600309				MA R		4900501	4	147700
	SUBCHASSIS MACHINED					4900039			MA R		4600309	5	147800
	LOGIC DRAWING					6922594			MA R		4600309	5	147850
	DETECTOR -3A2					25380			MA R		4600309	5	147900
	SELF-LKG 4-40X3/16							14049	MA R		25380	6	148000
	PAN HD 6-32X 5/16							15013	MA R		25380	6	148100
	WASH LOCK #4 MED SPT							15067	MA R		25380	6	148200
	HOUSING SUBCHASSIS							22494	MA R		25380	6	148300
	SPACER SUBCHASSIS							22647	MA R		25380	6	148400
	FIL 6 PHASE 3A2A2							25370	MA R		25380	6	148500
	INS SLVG #18 WHT							14143	MA R		25370	7	148600
	WIRE ELEC B-22-V WHT							15015	MA R		25370	7	148700
	RES FXD 100K-5-1/4							15021	MA R		25370	7	148800
	XMFR AF-CHPR DEMOD							22490	MA R		25370	7	148900
	XMFR AF							22491	MA R		25370	7	149000
	PH DET LOOP-CM MOD							25275	MA R		25370	7	149100
	RES FXD 270 K-5-1/4							15021	MA R		25275	8	149200
	SCHEMATIC							6325246	MA R		25275	8	149210
	PCB							25276	MA R		25275	8	149300
	PCB							25277	MA R		25275	8	149400
	QUAD PHASE DET MOD							25278	MA R		25370	7	149500
	RES FXD 5100-5-1/4							15021	MA R		25278	8	149600
	SCHEMATIC							6325244	MA R		25278	8	149610
	PCB							25279	MA R		25278	8	149700
	PCB							25280	MA R		25278	8	149800
	LOOP PH DET DRVR MOD							25284	MA R		25370	7	149900
	SCHEMATIC							6325240	MA R		25284	8	149910

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									SERIAL	THRU, SER.			
	PCB							25285	MA R		25285	8	150000
	PCB							25286	MA R		25286	8	150100
	QUAD PH DET DRV R MOD							25287	MA R		25370	7	150200
	SCHEMATIC							6325245	MA R		25287	8	150210
	PCB							25285	MA R		25287	8	150300
	PCB							25286	MA R		25287	8	150400
	DRIVER-INVERT MODULE							25297	MA R		25370	7	150500
	RES FXD 18K-5-1/4							15021	MA R		25297	8	150600
	SCHEMATIC							6325242	MA R		25297	8	150610
	PCB							25298	MA R		25297	8	150700
	PCB							25299	MA R		25297	8	150800
	PCB-#2							25308	MA R		25370	7	150900
	PCB-#1							25309	MA R		25370	7	151000
	8 MSEC MONO MODULE							25328	MA R		25370	7	151100
	RES FXD 6200-5-1/4							15021	MA R		25328	8	151200
	RES FXD 82K-5-1/2							15022	MA R		25328	8	151300
	SCHEMATIC							6325250	MA R		25328	8	151310
	PCB							25329	MA R		25328	8	151400
	PCB							25330	MA R		25328	8	151500
	DUMP DRIVER MODULE							25338	MA R		25370	7	151600
	RES FXD 10K-5-1/4							15021	MA R		25338	8	151700
	SCHEMATIC							6325263	MA R		25338	8	151710
	PCB 00-5-1/4							25339	MA R		25338	8	151800
	PCB							25340	MA R		25338	8	151900
	DUAL INVERTER MODULE							25363	MA R		25370	7	152000
	RES FXD 5600-5-1/4							15021	MA R		25363	8	152100
	PCB							22577	MA R		25363	8	152200
	PCB							22578	MA R		25363	8	152300
	SCHEMATIC							6325255	MA R		25363	8	152310
	DUAL DUMP MODULE							25364	MA R		25370	7	152400
	RES FXD 330-5-1/4							15021	MA R		25364	8	152500
	PCB							22571	MA R		25364	8	152600
	PCB							22572	MA R		25364	8	152700
	TRANSISTOR							22643	MA R		25364	8	152800
	SCHEMATIC							6325251	MA R		25364	8	152810
	MATCHED FIL AMPL MOD							25365	MA R		25370	7	152900
	RES FXD 2200-5-1/4							15021	MA R		25365	8	153000
	PCB							22568	MA R		25365	8	153100
	PCB							22569	MA R		25365	8	153200
	SCHEMATIC							6325262	MA R		25365	8	153210

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CDS LET.	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU, SER.			
	S/R/T FLIP-FLOP							25374	MA R		25370	7	153300
	RES FXD 39K-5-1/4							15021	MA R		25374	8	153400
	SCHEMATIC							6325243	MA R		25374	8	153410
	PCB							25375	MA R		25374	8	153500
	PCB							25376	MA R		25374	8	153600
	DET-INVERT GATE MOD							25384	MA R		25370	7	153700
	PCB							25292	MA R		25384	8	153800
	PCB							25293	MA R		25384	8	153900
	SCHEMATIC							6325354	MA R		25384	8	153910
	INS LACQUER KIT							25503	MA R		25370	7	154000
	AMPL COMMAND-3A2A1						25371		MA R		25380	6	154100
	INS SLVG #18 WHT							14143	MA R		25371	7	154200
	WIRE ELEC B-22U WHT							15015	MA R		25371	7	154300
	RES FXD 470K-5-1/4							15021	MA R		25371	7	154400
	FILTER BAND							22465	MA R		25371	7	154500
	TRANSFORMER AF							22490	MA R		25371	7	154600
	CHOPPER							25281	MA R		25371	7	154700
	RES FXD 5100-5-1/4							15021	MA R		25281	8	154800
	SCHEMATIC							6325248	MA R		25281	8	154810
	PCB							25282	MA R		25281	8	154900
	PCB							25283	MA R		25281	8	155000
	LOOP PH DET DRV R MOD							25284	MA R		25371	7	155100
	L PWK DUAL-INV MOD							25291	MA R		25371	7	155200
	SCHEMATIC							6325259	MA R		25291	8	155210
	PCB							25292	MA R		25291	8	155300
	PCB							25293	MA R		25291	8	155400
	PCB #2							25310	MA R		25371	7	155500
	PCB #1							25311	MA R		25371	7	155600
	LIMITER AMPL MODULE							25322	MA R		25371	7	155700
	RES FXD 220K-5-1/4							15021	MA R		25322	8	155800
	SCHEMATIC							6325254	MA R		25322	8	155810
	PCB							25323	MA R		25322	8	155900
	PCB							25324	MA R		25322	8	156000
	LIMITER EMIT FOL MOD							25325	MA R		25371	7	156100
	RES FXD 1000-5-1/4							15021	MA R		25325	8	156200
	SCHEMATIC							6325252	MA R		25325	8	156210
	PCB							25326	MA R		25325	8	156300
	PCB							25327	MA R		25325	8	156400
	COM INPUT AMPL MOD							25332	MA R		25371	7	156500
	RES FXD 220K-5-1/4							15021	MA R		25332	8	156600

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CON. LIST	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU. SER.			
	PCB							25333	MA R		25333	8	156700
	PCB							25334	MA R		25334	8	156800
	SCHEMATIC							6325357	MA R		25337	8	156810
	COM OUT AMPL MOD							25335	MA R		25371	7	156900
	RES FXD 47K-5-1/4							15021	MA R		25335	8	157000
	SCHEMATIC							6325247	MA R		25335	8	157010
	PCB							25336	MA R		25335	8	157100
	PCB							25337	MA R		25335	8	157200
	3.9V618V MODULE							25341	MA R		25371	7	157300
	RES FXD 3300-5-1/4							15021	MA R		25341	8	157400
	SCHEMATIC							6325261	MA R		25341	8	157410
	PCB							25342	MA R		25341	8	157500
	PCB							25343	MA R		25341	8	157600
	LIMITER MODULE							25362	MA R		25371	7	157700
	RES FXD 27K-5-1/4							15021	MA R		25362	8	157800
	PCB							22555	MA R		25362	8	157900
	PCB							22556	MA R		25362	8	158000
	SCHEMATIC							6325253	MA R		25362	8	158010
	INPUT EMIT FOL MOD							25366	MA R		25371	7	158100
	PCB							22549	MA R		25366	8	158200
	PCB							22550	MA R		25366	8	158300
	SCHEMATIC							6325249	MA R		25366	8	158310
	INS LACQUER KIT							29503	MA R		25371	7	158400
	SPACER CONNECTOR								MA R		25380	6	158500
	COMM DECOD 3A4				C4600310				MA R		4900501	4	158600
	SUBCHASSIS MACHINED								MA R		4600310	5	158710
	LOGIC DRAWING							6925266	MA R		4600310	5	158750
	DECODER 3A4							25383	MA R		4600310	2	158800
	SCR SELF-LKG PAN HD							14049	MA R		25383	6	158900
	SCR MACH PAN HD							12013	MA R		25383	6	159000
	WASH LOCK #4 MED							15067	MA R		25383	6	159100
	HOUSING SUBCHASSIS							22427	MA R		25383	6	159200
	SPACER SUBCHASSIS							22647	MA R		25383	6	159300
	DECODER ASSY							25347	MA R		25383	6	159400
	INS SLVG FLEC EXPAND								MA R		25367	7	159500
	WIRE ELEC B-22-U WHT							15015	MA R		25367	7	159600
	DUAL&INVERT GATE MOD							25291	MA R		25367	7	159700
	SCHEMATIC							6325228	MA R		25291	8	159710
	DRIVER&INVERT GATE							25247	MA R		25367	7	159800
	SCHEMATIC							6325242	MA R		25247	8	159810

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CON. LIST	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU. SER.			
	PC BD1							25304	MA R		25367	7	159900
	PC BD2							25305	MA R		25367	7	160000
	9 INPUT&INVERT MOD							25318	MA R		25367	7	160100
	SCHEMATIC							6325241	MA R		25318	8	160110
	PC BD							25319	MA R		25318	8	160200
	PC BD							25320	MA R		25318	8	160300
	IS SW MODULE							25360	MA R		25367	7	160400
	RES FXD COMP							15021	MA R		25360	8	160500
	PC BD							22488	MA R		25360	8	160600
	PC BD							22489	MA R		25360	8	160700
	SCHEMATIC							6325256	MA R		25360	8	160710
	IP SW MODULE							25361	MA R		25367	7	160800
	RES FXD 560-5-1/4							15021	MA R		25361	8	160900
	PCB							22485	MA R		25361	8	161000
	PCB							22486	MA R		25361	8	161100
	SCHEMATIC							6325257	MA R		25361	8	161110
	5/R/T FLIP FLOP MOD							25374	MA R		25367	7	161200
	SCHEMATIC							6325243	MA R		25374	8	161210
	INS COMP FLEC PROTEC							29503	MA R		25367	7	161300
	DECODER ASSY								MA R		25369	6	161400
	INS SLVG FLEC EXPAND								MA R		25368	7	161500
	WIRE ELECT B-22-U							15015	MA R		25368	7	161600
	DUAL DRIVER MODULE							25288	MA R		25368	7	161700
	RES FXD 18K-5-1/4							15021	MA R		25288	8	161800
	SCHEMATIC							6325260	MA R		25288	8	161810
	PCB							25289	MA R		25288	8	161900
	PCB							25290	MA R		25288	8	162000
	DUAL&INVERT MODULE							25291	MA R		25368	7	162100
	SCHEMATIC							6325259	MA R		25291	8	162110
	DRIVER&INVERT GATE							25297	MA R		25368	7	162200
	SCHEMATIC							6325242	MA R		25297	8	162210
	PC1							25306	MA R		25368	7	162300
	PC BD2							25307	MA R		25368	7	162400
	INPUT&INVERT MODULE							25318	MA R		25368	7	162500
	SCHEMATIC							6325241	MA R		25318	8	162510
	IP SWITCH MODULE							25361	MA R		25368	7	162600
	SCHEMATIC							6325257	MA R		25361	8	162610
	5/R/T FLIP FLOP MOD							25374	MA R		25368	7	162700
	SCHEMATIC							6325243	MA R		25374	8	162710
	INS LACQUER KIT							29503	MA R		25368	7	162800

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CNC. LIST	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU. SER.			
	SPACER CONN ELEC						25385		MA R	25385	4900501	6	162900
	COMMAND DETECTOR 3A1				D4600311				MA R		4900501	4	163000
	SUBCHASSIS MACHINED					4900039			MA R		4600311	5	163100
	LOGIC DRAWING					6922594			MA R		4600311	5	163110
	DETECTOR A-3A1					25381			MA R		4600311	5	163200
	SELF-LKG 4-40X3/16						14049		MA R		25381	6	163300
	SCR MACH HD 6-32X						15013		MA R		25381	6	163400
	LOCK #4 MED SPLIT						15067		MA R		25381	6	163500
	HOUSING SUBCHASSIS						22494		MA R		25381	6	163600
	SPACER SUBCHASSIS						22647		MA R		25381	6	163700
	GEN PH LK-L 3A1A2						25372		MA R		25381	6	163800
	INS SLVG #18 WHT							14143	MA R		25372	7	163900
	WIRE ELEC B-22-U WHT							15015	MA R		25372	7	164000
	RES FXD 100K-5-1/4							15021	MA R		25372	7	164100
	XMFR AF-LOOP PH DET							22491	MA R		25372	7	164200
	LOOP PH DET-COM PH							25275	MA R		25372	7	164300
	SCHEMATIC							6325246	MA R		25275	8	164310
	LOOP PH DET DRV R MOD							25284	MA R		25372	7	164400
	SCHEMATIC							6325240	MA R		25284	8	164410
	LP DUAL DRIVER MOD							25288	MA R		25372	7	164500
	SCHEMATIC							6325260	MA R		25288	8	164510
	LP DUAL-INV GATE MOD							25291	MA R		25372	7	164600
	SCHEMATIC							6325259	MA R		25291	8	164610
	9 INPUT DET-INV MOD							25294	MA R		25372	7	164700
	PCB							25295	MA R		25294	8	164800
	PCB							25317	MA R		25294	8	164900
	SCHEMATIC							6325356	MA R		25294	8	164910
	DRIVER-INV GATE MOD							25297	MA R		25372	7	165000
	SCHEMATIC							6325242	MA R		25297	8	165010
	PCB #2							25312	MA R		25372	7	165100
	PCB#1							25313	MA R		25372	7	165200
	VOLTAGE CONT OSC							25331	MA R		25372	7	165300
	LOOP FILTER MODULE							25350	MA R		25372	7	165400
	SCHEMATIC							6325258	MA R		25350	8	165410
	PCB							25351	MA R		25350	8	165500
	PCB							25352	MA R		25350	8	165600
	S/R/T FLIP FLOP MOD							25374	MA R		25372	7	165700
	SCHEMATIC							6325243	MA R		25374	8	165710
	INS LACQUER KIT							29503	MA R		25372	7	165800
	TELEMETRY 3A1A1						25373		MA R		25381	6	165900

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CNC. LIST	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU. SER.			
	SPACER CONN ELEC						25385		MA R		25372	6	166000
	INS SLVG, ELEC-EXPAND							14143	MA R		25372	7	166100
	WIRE ELEC B-22-U WHT							15015	MA R		25373	7	166200
	LP DUAL DRIVER MOD							25288	MA R		25373	7	166300
	SCHEMATIC							6325260	MA R		25288	8	166310
	LP DUAL-INV GATE MOD							25291	MA R		25373	7	166400
	SCHEMATIC							6325259	MA R		25291	8	166410
	PC#1							25314	MA R		25373	7	166500
	PC#2							25315	MA R		25373	7	166600
	IP SWITCH MODULE							25361	MA R		25373	7	166700
	SCHEMATIC							6325257	MA R		25361	8	166710
	S/R/T FLIP-FLOP MOD							25374	MA R		25373	7	166800
	SCHEMATIC							6325243	MA R		25374	8	166810
	DUMMY MODULE							25540	MA R		25373	7	166900
	INS LACQUER KIT							29503	MA R		25373	7	167000
	XMFR REC SUBASSY ENV				D4600312				MA R		4900501	4	167100
A	PWR SUP MK2 L-BAND					E 550717			MA R		4600312	5	167150
A	PWR SUP MK2 L-BAND								MA R		550717	6	167200
A	ARTWORK TEMPLATE							C 850738	MA R		550717	6	167210
A	ARTWORK TEMPLATE							C 850741	MA R		550717	6	167220
A	TRANSFORMER-PWR 7401							C 850749	MA R		550717	6	167300
A	SILKSCREEN							C 850750	MA R		550717	6	167400
A	CHASSIS MK2 L-BAND							D 950716	MA R		550717	6	167500
A	ENV MK2 L-BAND POWER							D 950718	MA R		550717	6	167510
A	SCHEMATIC MK2 L-BAND							D 950721	MA R		550717	6	167520
A	COMPONENT BOARD REG							D 950739	MA R		550717	6	167530
A	COMPONENT BOARD REG							D 950740	MA R		550717	6	167600
A	COMPONENT BD UNREG							D 950742	MA R		550717	6	167620
A	COMPONENT BD UNREG							D 950743	MA R		550717	6	167700
B	CIRC & PWR MON 2A6				D4600313				MA R		4900501	4	167900
D	COMMUNICATIONS 2A5				J4600318				MA R		4900501	4	168300
	ADHESIVE					A 90091			MA R		4600318	5	168400
	STUD LOCK					B 90312			MA R		4600318	5	168500
	CONNECTOR INSTALL					C 90314			MA R		4600318	5	168600
B	JUNCTION BOX SCHEM					D4600317			MA R		4600318	5	168700
B	JUNCTION BOX COMMUN					A4600318			MA R		4600318	5	168800
B	CBI PC JUNCTION BOX					D4600319			MA R		4600318	5	168900
B	SPACER JUNCTION BOX					B4600320			MA R		4600318	5	169000
B	SUBCHASS JUNCT BOX					D4600321			MA R		4600318	5	169100
B	ANAL-DIG CONVTR 6MT2				D4600322				MA R		4900501	4	169200

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									SERIAL	THRU, SER.			
	ANALOG-TO-DIGIT CONV					A 460800			MA R		4600322	5	169300
	SUBCHAS SINGLE CONN						D 460084		MA R		460800	6	169400
	MARKING PN GENERATOR							C 460818	MA R		460084	7	169500
	MARKING TRANSFER REG							C 460820	MA R		460084	7	169600
	MARKING CONVERTERS							C 460824	MA R		460084	7	169700
	COMPARATOR & INTEGRA						D 460892		MA R		460800	6	169800
A	UNIV BISTABLE MODULE							C 457777	MA R		460892	7	169900
	PCB COMPARATOR							F 460891	MA R		460892	7	170000
	SCHEM CONVERTER							R 460895	MA R		460892	7	170100
	DECODER						D 460894		MA R		460800	6	170200
A	UNIV BISTABLE MODULE							C 457777	MA R		460894	7	170300
	PCB DECODER							F 460893	MA R		460894	7	170400
	SCHEM CONVERTER							R 460895	MA R		460894	7	170500
	WIRING LIST CONVERT						A 461702		MA R		460800	6	170600
B	LO LEVEL COMPAR 6A1				D4600323				MA R		4900501	4	170700
	AMPLIFIERS					A 460807			MA R		4600323	5	170800
	AMPLIFIERS LOW LEVEL						D 457796		MA R		460807	6	170900
	PCB AMPL LOW BAND							F 457795	MA R		457796	7	171000
	SCHEM AMPLS6SIG COND							F 457797	MA R		457796	7	171100
	COMPARATOR ISOL AMPL						D 460083		MA R		460807	6	171200
	SCHEM AMPLS6SIG COND							R 457797	MA R		460083	7	171300
	PCB COMP ISOL AMPL							F 460082	MA R		460083	7	171400
	SUBCHAS DOUBLE CONN						D 460085		MA R		460807	6	171500
	WIRING LIST AMPLS						A 461708		MA R		460807	6	171600
D	COMMUTATOR DECKS 6K2				D4600324				MA R		4900501	4	171700
	SOLID STATE DKS E6F					A 460806			MA R		4600324	5	171800
	LO LEVEL SWS DKS E6F						D 457789		MA R		460806	6	171900
	SWITCH LOW LEVEL							C 449104	MA R		457789	7	172000
	PCB SW MODULE UPPER							B 449101	MA R		449104	8	172100
	PCB LO LEVEL SWITCH							B 449103	MA R		449104	8	172200
	GROMMET TEFLON #2							B 457739	MA R		449104	8	172300
A	INSULATION SH ELECT							B 457740	MA R		449104	8	172400
	SHIELD SWITCH							C 457744	MA R		449104	8	172500
	SCHEM SW LOW LEVEL							B 457770	MA R		449104	8	172600
	PCB DECKS E6F							F 457788	MA R		457789	7	172700
	SCHEM LO SPEED CTR							R 457790	MA R		457789	7	172800
	LOW SPEED COUNTER						D 460037		MA R		460806	6	172900
A	UNIV BISTABLE MODULE							C 457777	MA R		460037	7	173000
	SCHEM LO SPEED CTR							R 457790	MA R		460037	7	173100
	MATRIX LO SPEED CTR							C 460011	MA R		460037	7	173200

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									SERIAL	THRU, SER.			
	PCB LO SPEED CTR LOW							B 460009	MA R		460011	8	173300
	PCB LO SPEED CTR UP							B 460010	MA R		460011	8	173400
	SCHEM LO SPEED CTR							C 460012	MA R		460011	8	173500
	PCB LO SPEED COUNTER							F 460036	MA R		460037	7	173600
	SUBCHAS DOUBLE CONN						D 460085		MA R		460806	6	173700
	WIRING LIST DKS E6F						A 461707		MA R		460806	6	173800
D	DECKS 0 1 263 6K1				D4600325				MA R		4900501	4	173900
	SOLID STATE DKS ABCD					A 460805			MA R		4600325	5	174000
	SOLID STATE DKS C6D						D 457763		MA R		460805	6	174100
	SWITCH HIGH LEVEL							C 449102	MA R		457763	7	174200
	PCB DECKS C6D							F 457762	MA R		457763	7	174300
A	UNIV BISTABLE MODULE							C 457777	MA R		457763	7	174400
	PCB UNIV BISTABLE #1							B 457775	MA R		457777	8	174500
	PCB UNIV BISTABLE #2							B 457776	MA R		457777	8	174600
	SCHEM UNIV BISTABLE							C 457778	MA R		457777	8	174700
	SCHEM HI SPD BINARY							C 457779	MA R		457777	8	174800
	SWITCH FLIP FLOP							C 457782	MA R		457763	7	174900
A	GROMMET TEFLON #1							B 457738	MA R		457782	8	175000
A	INSULATION SH ELECT							B 457740	MA R		457782	8	175100
A	SHIELD SWITCH							C 457744	MA R		457782	8	175200
	PCB SW FLIP FLOP LO							B 457780	MA R		457782	8	175300
	PCB SW FLIP FLOP UP							B 457781	MA R		457782	8	175400
	SCHEM SW FLIP FLOP							C 457783	MA R		457782	8	175500
	SCHEM DECKS A6B C6D							R 460062	MA R		457763	7	175600
	SOLID STATE DKS A6B						D 457769		MA R		460805	6	175700
	PCB DECKS A6B							F 457768	MA R		457769	7	175800
A	UNIV BISTABLE MODULE							C 457777	MA R		457769	7	175900
	SWITCH FLIP FLOP							C 457782	MA R		457769	7	176000
	SCHEM DECKS A6B C6D							R 460062	MA R		457769	7	176100
	SUBCHAS DOUBLE CONN						D 460085		MA R		460805	6	176200
	WIRING LIST DKS ABCD						A 461706		MA R		460805	6	176300
A	BLIP REGISTERS				D4600326				MA R		4900501	4	176400
	BLIP REGISTER #1					A 460803			MA R		4600326	5	176500
	UNIV BISTABLE MODULE						D 460023		MA R		460803	6	176600
	PCB BLIP REGISTER #1							C 457777	MA R		460023	7	176700
	SCHEM BLIP REGISTER							F 460022	MA R		460023	7	176800
	BLIP REGISTER #2						D 460025		MA R		460023	7	176900
	UNIV BISTABLE MODULE							C 457777	MA R		460803	6	177000
A	PCB BLIP REGISTER #2							F 460024	MA R		460023	7	177100
									MA R		460023	7	177200

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									SERIAL	THRU, SER.			
	SCHEM BLIP REGISTER							R 460028	MA R		460028	7	177300
	SUBCHAS DOUBLE CONN						D 460085	MA R			460085	6	177400
	MARKING BLIP REGS							C 460819	MA R		460085	7	177500
	MARKING DECKS ABCD							C 460821	MA R		460085	7	177600
	MARKING DECKS E&F							C 460822	MA R		460085	7	177700
	MARKING AMPLIFIERS							C 460823	MA R		460085	7	177800
	WIRING LIST BLIP REG							A 461701	MA R		460803	6	177900
B	TRANSFER REGIST 6MT3				D4600327				MA R		4900501	4	178000
A	SUBCHASSIS MACHINED					03158416			MA R		4600327	5	178100
	TRANSFER REGISTER					A 460802			MA R		4600327	5	178200
	COUNTER MASTER						D 460049		MA R		460802	6	178300
A	UNIV BISTABLE MODULE							C 457777	MA R		460049	7	178400
	MONOSTABLE FLIP FLOP							C 460046	MA R		460049	7	178500
	PCB MASTER COUNTER							F 460048	MA R		460049	7	178600
	SCHEM MA CTR&XFR REG							R 460061	MA R		460049	7	178700
	SUBCHAS SINGLE CONN						D 460084		MA R		460802	6	178800
	TRANSFER REGISTER						D 460899		MA R		460802	6	178900
	SWITCH FLIP FLOP							C 457782	MA R		460899	7	179000
	SCHEM MA CTR&XFR REG							R 460061	MA R		460899	7	179100
	PCB TRANSFER REGIS							F 460898	MA R		460899	7	179200
	WIRING LIST TRAN REG								MA R		460802	6	179300
C	PN GENERATOR 6MT2				D4600328		A 461704		MA R		4900501	4	179400
A	SUBCHASSIS MACHINED					03158416			MA R		4600328	5	179500
	PN GEN FREQ&MOD CKTY					A 460801			MA R		4600328	5	179600
	PN GEN/FREQ&MOD CKTY						D 460073		MA R		460801	6	179700
	SWITCH LOW LEVEL							C 449104	MA R		460073	7	179800
A	UNIV BISTABLE MODULE							C 457777	MA R		460073	7	179900
	MATRIX PN GENERATOR							C 460007	MA R		460073	7	180000
	PCB MATRIX PN GEN LO							B 460005	MA R		460007	8	180100
	PCB MATRIX PN GEN UP							B 460006	MA R		460007	8	180200
	SCHEM MATRIX PN GEN							C 460008	MA R		460007	8	180300
	PCB PN GENERATOR							F 460072	MA R		460073	7	180400
	SCHEM PN GENERATOR						D 460084		MA R		460073	7	180500
	SUBCHAS SINGLE CONN						D 460897		MA R		460801	6	180700
	BIPHASE MODULATOR						A 461703		MA R		460801	6	180800
	WIRING LIST PN GEN								MA R		4900501	4	180900
B	ENCODER TR 6TRI				D4600329				MA R		4900501	4	180900
A	SUBCHASS MACHINED					D4900033			MA R		4600329	5	181000
	POWER SUPPLY					A 460804			MA R		4600329	5	181100
	BUCKING POWER SUPPLY						D 460028		MA R		460804	6	181200

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CNC REV.	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU, SER.			
	PCB BUCKING PWR SUP							F 460027	MA R		460027	7	181300
	SCHEM POWER SUPPLY							R 460029	MA R		460028	7	181400
	HEAT SINK PWR SUPPLY						B 460069		MA R		460804	6	181500
	POWER SUPPLY						D 460076		MA R		460804	6	181600
	PCB POWER SUPPLY							F 460075	MA R		460076	7	181700
	SUBCHAS POWER SUPPLY							D 460086	MA R		460804	6	181800
	MARKING POWER SUPPLY							C 460817	MA R		460086	7	181900
	WIRING LIST PWR SUP							A 461705	MA R		460804	6	182000
D	CHASS ASSY L-BAND				J4600333				MA R		4900501	4	182100
	STUD LOCK FEMALE					B 90312			MA R		4600333	5	182200
	CONNECTOR INSTL					C 90314			MA R		4600333	5	182300
	TRANSDUCER					C4600161			MA R		4600333	5	182400
A	L-BAND RF BLOCK DGM						4 106421		MA R		4600333	6	182410
	BLK DGM PAN COAX CBL						5 106499		MA R		4600333	6	182420
	INTERCONNECT L-BAND						B 119102		MA R		4600333	6	182430
A	SHIELD CHASSIS ASSY					J4600339			MA R		4600333	5	182500
	SURFACE TREAT&HANDLE							A 90302	MA R		4600339	6	182600
	WASHER						B4500154		MA R		4600339	6	182700
A	CLAMP WIRE					B4800078			MA R		4600333	5	182800
A	CLAMP THERMOCOUPLE					B4800080			MA R		4600333	5	182900
	ANGLE CONNECTOR					C4800314			MA R		4800314	7	183100
	SURFACE TREAT&HANDLE							A 90302	MA R		4600333	5	183000
	HINGE PIN					D4900503			MA R		4600333	5	183200
C	SCIENTIFIC ELEC ASSY				J4800296				MA R		4900501	4	183300
B	CABLE RETAINING BRKT					D3158874			MA R		4800296	5	183400
	LOUVER INSTL					J4100416			MA R		4800296	5	183500
	SCREW MACH						A 90346		MA R		4100416	6	183600
	SCREW MACH PAN HD						A 90347		MA R		4100416	6	183700
B	ACTUATOR ASSY LOUVER						D4100204		MA R		4100416	6	183800
A	ACTUATOR SPIRAL COIL							B4100228	MA R		4100204	7	183900
A	LOUVER ASSY							C4100220	MA R		4100416	6	184000
	SURFACE TREAT&HANDLE							A 90302	MA R		4100220	7	184100
A	SHAFT							B4100212	MA R		4100220	7	184200
A	BEARING ASSEMBLY							C4100214	MA R		4100220	7	184300
A	SHAFT							B4100215	MA R		4100214	8	184400
A	RETAINER SELF-LOCK							B4100216	MA R		4100214	8	184500
A	WASHER							B4100217	MA R		4100214	8	184600
A	BEARING							B4100218	MA R		4100214	8	184700
A	PAD							B4100219	MA R		4100214	8	184800
A	LOUVER ASSY							D4100221	MA R		4100220	7	184900

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									SERIAL	THRU, SER.			
	RIVET INSPECTION SURFACE TREAT&HANDLE							A 90091	MA R		4100221	8	185000
								A 90302	MA R		4100221	8	185100
A	HOUSING							B4100222	MA R		4100220	7	185200
	ADHESIVE							A 90091	MA R		4100222	8	185300
	SURFACE TREAT&HANDLE							A 90302	MA R		4100222	8	185400
K	4A1 PWR SW&LOGIC					J4400046			MA R		4800296	5	185500
	ADHESIVE						A 90091		MA R		4400046	6	185600
	SPLICE WIRE						B 90153		MA R		4400046	6	185700
	SCREW LOCK MECH						B 90312		MA R		4400046	6	185800
	CONNECTOR INSTL						C 90314		MA R		4400046	6	185900
L	SCHEMATIC DIAG						J4400040		MA R		4400046	6	186000
	SUBCHASS ASSY PW SW						J4400047		MA R		4400046	6	186100
B	TRANSFORMER ASSY PWR						D4400048		MA R		4400046	6	186200
	ADHESIVE							A 90091	MA R		4400048	7	186300
D	SCHEMATIC DIAG						J4400040		MA R		4400048	7	186400
	XFORMER						B4400049		MA R		4400048	7	186500
D	XFORMER						B4400050		MA R		4400048	7	186600
D	COVER ASSY						J4400051		MA R		4400046	6	186700
B	TELEMETERING OSC ASSY						D4400053		MA R		4400046	6	186800
	ADHESIVE							A 90091	MA R		4400053	7	186900
	RESIN						A 90154		MA R		4400053	7	187000
	WASHER SHOULDER						H 90283		MA R		4400053	7	187100
C	TRANSFORMER						B3152543		MA R		4400053	7	187200
G	SCHEMATIC DIAG						J4400044		MA R		4400053	7	187300
A	TRANSFORMER						B4400052		MA R		4400053	7	187400
A	SUPPORT TEL OSC PWR						D4400054		MA R		4400053	7	187500
C	CB1						D4400055		MA R		4400053	7	187600
	ADHESIVE						A 90091		MA R		4400055	8	187700
D	SCHEMATIC DIAG						D4400040		MA R		4400055	8	187800
B	CB1						D4400055		MA R		4400055	8	187900
A	PC TB1						D4400056		MA R		4400055	8	188000
A	AMPLIFIER MAG ASSY						B4400081		MA R		4400053	7	188100
	WASHER INSULATION						A4400126		MA R		4400053	7	188200
B	CB3						D4400059		MA R		4400046	6	188300
B	CB5 POWER SWITCHING						D4400063		MA R		4400046	6	188400
D	SCHEMATIC DIAG						D4400040		MA R		4400063	7	188500
A	PC CB5						J4400064		MA R		4400063	7	188600
	CHOKE L2 PWR SW&LOGIC						B4400216		MA R		4400046	6	188700
	LUG TERMINAL						B4400218		MA R		4400046	6	188800
	CHOKE L3						B4400219		MA R		4400046	6	188900

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									SERIAL	THRU, SER.			
F	SCI PWR SW SUBASSY					J4800252			MA R		4800296	5	188910
F	SCI PWR SWITCHING						D4800252	PL	MA R		4800252	6	188912
F	SCI PWR SW SCHEMATIC						D4800253		MA R		4800252	6	188914
A	SUBCHASSIS						D4800254		MA R		4800252	6	188916
C	PC CB1 SCI PWR SW						J4800255		MA R		4800252	6	188918
B	23A1 PLASMA ELECTRON					J4800261			MA R		4800296	5	189000
	WASHER INSULATED						B 90284		MA R		4800261	6	189100
	STUD LOCK						B 90312		MA R		4800261	6	189200
	CONNECTOR INSTL						C 90314		MA R		4800261	6	189300
	TRANSDUCER						D4800161		MA R		4800261	6	189400
A	REED CAPACITOR						D4800256		MA R		4800261	6	189500
	SUPPORT ASSY VIB REED							D4800392	MA R		4800256	7	189600
	BUSHING VIB REED CAP							B4800393	MA R		4800256	7	189700
	VIB REED CAPACITOR							D4800394	MA R		4800256	7	189800
A	SUBCHASS ASSY						J4800260		MA R		4800261	6	189900
	INSULTR SUBCHAS SOLR							B4800437	MA R		4800260	7	190000
	INSULATOR SUBCHASSIS							B4800438	MA R		4800260	7	190100
	INSULATOR SUBCHASSIS							B4800439	MA R		4800260	7	190200
A	DEFLECTION PLATE ASSY						D4800290		MA R		4800261	6	190300
	SPACER							B4800091	MA R		4800290	7	190400
	WASHER SHOULDER							B4800092	MA R		4800290	7	190500
	WASHER							B4800093	MA R		4800290	7	190600
	WASHER							B4800096	MA R		4800290	7	190700
A	SPACER SOLAR CORPUS							B4800273	MA R		4800290	7	190800
	STUD SOLAR CORPUSCUL							B4800274	MA R		4800290	7	190900
	GROUND PLANE SCRE							K4800275	MA R		4800290	7	191000
B	GROUND PLANE ENTRAN							K4800276	MA R		4800290	7	191100
A	COLLECTOR SOLAR CORP							K4800277	MA R		4800290	7	191200
A	SUPPRESSOR SOLAR COR							K4800278	MA R		4800290	7	191300
	INSULATOR DEFLECTION							K4800279	MA R		4800290	7	191400
A	GROUND PLANE EXIT							K4800280	MA R		4800290	7	191500
A	INSULATOR SUPPRESSOR							4800281	MA R		4800290	7	191600
	INSULATOR CHANNEL							K4800282	MA R		4800290	7	191700
	INSULATOR CHANNEL							K4800283	MA R		4800290	7	191800
	INSULATOR SUPPRESSOR							K4800284	MA R		4800290	7	191900
A	SHIELD COLLECTOR							D4800285	MA R		4800290	7	192000
	PLATE GROUND PLANE							D4800286	MA R		4800290	7	192100
	PLATE GROUND PLANE							D4800287	MA R		4800290	7	192200
	DEFLECTOR PLATE ASSY							D4800288	MA R		4800290	7	192300
	DEFLECTOR PLATE ASSY							D4800289	MA R		4800290	7	192400

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REV.	TITLE	I	II	III	IV	V	VI	VII	SERIAL	THRU. SER.		
	TERMINAL COLLECTOR ELECTROMETER SCHEM							B4800389	MA R		4800290	7 192500
C	SW ASSY ELECTROMETER						J4800341		MA R		4800261	6 192600
A	CB1 PLASMA ELECT						J4800391		MA R		4800261	6 192700
	TRANSIPAD INSTL						D4800396		MA R		4800261	6 192800
	SCHEMATIC DIAG							A 90127	MA R		4800396	7 192900
A	CB1 PLASMA ELECT							A 90303	MA R		4800396	7 193000
A	CB1 PC PLASMA ELECT						J4800341		MA R		4800396	7 193100
B	CB2 PLASMA ELECT						A4800396		MA R		4800396	7 193200
	TRANSIPAD INSTL						J4800397		MA R		4800396	7 193300
A	CB2 PLASMA ELECT						D4800398		MA R		4800261	6 193400
B	CB2 PC PLASMA ELECT							A 90127	MA R		4800398	7 193500
A	CB3 ASSY PLASMA ELECT						A4800398		MA R		4800398	7 193600
B	CB3 ASSY PLASMA ELECT						J4800399		MA R		4800398	7 193700
	CB3 PC PLASMA ELECT						D4800400		MA R		4800261	6 193800
	CB4 PLASMA ELECT						A4800400		MA R		4800400	7 193900
A	TRANSIPAD INSTL						C4800401		MA R		4800400	7 194000
	SCHEMATIC DIAG						D4800402		MA R		4800261	6 194100
A	CB4 ASSY PLASMA ELECT							A 90127	MA R		4800402	7 194200
A	CB4 PC PLASMA ELECT						J4800341		MA R		4800402	7 194300
	SUB-CHASS UPPER PLAS						A4800402		MA R		4800402	7 194400
	WASHER SHOULDER						D4800403		MA R		4800402	7 194500
	TRANSFORMER SHIELD						D4800404		MA R		4800261	6 194600
	COVER WELDMENT REED						B4800405		MA R		4800261	6 194700
	TERMINAL BOARD						C4800418		MA R		4800261	6 194800
	TERMINAL BOARD						D4800414		MA R		4800261	6 194900
	TERMINAL BOARD						B4800477		MA R		4800261	6 195000
	TERMINAL BOARD						B4800478		MA R		4800261	6 195100
	TERMINAL BOARD						B4800477		MA R		4800261	6 195200
	TERMINAL BOARD						B4800478		MA R		4800261	6 195300
	23A2 PROGRAM SUBASSY					J4800263			MA R		4800261	6 195400
C	TRANSIPAD INSTL							A 90127	MA R		4800296	5 195500
	STUD LOCK						B 90312		MA R		4800263	6 195600
	CONNECTOR INSTL						C 90314		MA R		4800263	6 195700
C	SCHEMATIC DIAG						J4800251		MA R		4800263	6 195800
A	PROGRAMMER SOL PLAS						A4800263		MA R		4800263	6 195900
B	PROGRAMMER SUBCHASS						D4800264		MA R		4800263	6 196000
	INSULATOR SUBCHASSIS							B4800440	MA R		4800264	7 196100
B	INSULATOR SUBCHASSIS							B4800441	MA R		4800264	7 196200
B	CB1 PC PROGRAMMER						J4800265		MA R		4800263	6 196300

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REV.	TITLE	I	II	III	IV	V	VI	VII	SERIAL	THRU. SER.		
A	CB2 PC PROGRAMMER						J4800266		MA R		4800263	6 196500
A	23A3 SWEEP AMPL					D4800268			MA R		4800296	5 196600
B	SWEEP AMP SCHEMATIC						J4800250		MA R		4800268	6 196700
A	SUBCHAS SWEEP AMP						D4800269		MA R		4800268	6 196800
	INSULATOR SUBCHASS							B4800442	MA R		4800269	7 196900
	INSULTR SUBCHAS SWP							B4800443	MA R		4800269	7 197000
	CB1 ASSY SWEEP AMPL						J4800365		MA R		4800268	6 197100
	TRANSIPAD INSTL							A 90127	MA R		4800365	7 197200
B	SCHEMATIC SWEEP AMPL						J4800250		MA R		4800365	7 197300
	CB1 PC SWEEP AMPLIF						J4800270		MA R		4800365	7 197400
	CB1 SWEEP AMPLIFIER						A4800365		MA R		4800365	7 197500
B	CB2 ASSY SWEEP AMPL						J4800366		MA R		4800268	6 197600
	SCHEMATIC SWEEP AMPL							J4800250	MA R		4800366	7 197700
A	CB2 PC SWEEP AMPLIF						J4800271		MA R		4800366	7 197800
	BRACKET TRANSFORMER							A4800366	MA R		4800366	7 197900
	DISARMING CONN SUBAS						C4800367		MA R		4800268	6 198000
	TRANSFORMER SWEEP AM						B4800371		MA R		4800268	6 198100
							B4800372		MA R		4800268	6 198200
A	20A21-20A24					D4800291			MA R		4800296	5 198300
	CONNECTOR INSTL						C 90314		MA R		4800291	6 198400
A	22A2/22A3 MAGNET ENV					D4800293			MA R		4800296	5 198500
	CONNECTOR INSTL						C 90314		MA R		4800293	6 198505
	SUBCHASSIS MAG EL						4901000		MA R		4800293	6 198510
	ML104-1 MAG TEST SET						R T50067101		MA R		4800293	6 198512
	BLANK PANEL & CARRY							RSP30003	MA R		T50067	7 198513
	CASE ASSY PANEL MTG							RSP30004	MA R		SP30003	8 198514
	PANEL ASSY LWR BLANK							RSP30005	MA R		SP30003	8 198515
	PANEL ASSY LID BLANK							RSP30006	MA R		SP30003	8 198516
	TEST SPEC CHECK UNIT						A 540003	MA R			T50067	7 198517
	SCHEM CHECKOUT CASE						R T50031	MA R			T50067	7 198518
	TB1 MAG TEST SET						C 50141	MA R			T50067	7 198519
	TB1 MAG TEST SET						B T50118	MA R			50141	8 198520
	TB2 MAG TEST SET						C 50142	MA R			T50067	7 198521
	TB2 MAG TEST SET						B T50119	MA R			50142	8 198522
	TB3 MAG TEST SET						C 50143	MA R			T50067	7 198523
	BRACKET TERMINAL BD						ASP30052	MA R			50143	8 198524
	TB3 MAG TEST SET						B T50120	MA R			50143	8 198525
	WIRING LIST CHECKOUT						A 50144	MA R			T50067	7 198526
	CABLE HARNESS						D T50156	MA R			T50067	7 198527
	ML104-2 MAG TEST SET						R T50067102	MA R			4800293	6 198528

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									SERIAL	THRU. SER.			
	MA-R CHECKOUT ADAPTR							D 50288	MA R		T5006	7	198529
	ML126-1 MAGNETOMETER							50180	MA R		450023	6	198530
	TEST SPEC CHECKOUT							A 540064	MA R		50180	7	198531
	TRI-AX MAG PROBE ENV							A 50124	MA R		50180	7	198532
	TRI-AX MAGNETMTR ENV							D 50179	MA R		50180	7	198533
	MAGNETOMETER ASSY							J 50180	MA R		50180	7	198534
	INSULATING SPACER							ASP30079	MA R		50180	8	198535
	INSULATING WASHER							ASP30080	MA R		50180	8	198536
	CB TRIAX FLUX MAG							J 50243	MA R		50180	8	198537
	BISTABLE MULTIVIB							C F100	MA R		50243	9	198538
	TRIGGER MODULE							A F400	MA R		50243	9	198539
	DUAL DC INVERTER MOD							A F502	MA R		50243	9	198540
	DUAL AC EMITTER							C F603	MA R		50243	9	198541
	RC AMP MODULE							A F803	MA R		50243	9	198542
	RC AMP MODULE							A F804	MA R		50243	9	198543
	RC PARAPHASE AMP MOD							A F900	MA R		50243	9	198544
	TUNED AMP MODULE							C F1000	MA R		50243	9	198545
	PUSH PULL AMP MODULE							A F1100	MA R		50243	9	198546
	FLUXGATE SPECIAL MOD							A F4001	MA R		50243	9	198547
	INDUCTOR							ASP30000	MA R		50243	9	198548
	TRANSFORMER							ASP30001	MA R		50243	9	198549
	TRANSFORMER							ASP30001	MA R		50243	9	198550
	TRANSFORMER							ASP30001	MA R		50243	9	198551
	BAND PASS FILTER							ASP30002	MA R		50243	9	198552
	TRANSFORMER							ASP30003	MA R		50243	9	198553
	TRANSISTOR							ASP30061	MA R		50243	9	198554
	CB TRI FLUXGATE MAG							D 50242	MA R		50243	9	198555
	BOARD ASSY							D 50242	MA R		50242	9	198556
	BOARD							D 50242	MA R		50242	9	198557
	CIRCUIT MASTER							J 50241	MA R		50242	9	198558
	BOARD INSULATOR							D 50242	MA R		50242	9	198559
	CIRCUIT BOARD ASSY							A 50246	MA R		50180	8	198560
	MONOSTABLE MULTIVIB							C F201	MA R		50246	8	198561
	REFERENCE MODULE							A 04000	MA R		50246	8	198562
	DUAL RELAY DRIVER							A F4004	MA R		50246	8	198563
	INDUCTOR							ASP30048	MA R		50246	8	198564
	TRANSFORMER							ASP30047	MA R		50246	8	198565
	CB PWR SUP & IFC							D 50245	MA R		50246	8	198566
	BOARD ASSY							D 50245	MA R		50245	9	198567
	BOARD DETAIL							D 50245	MA R		50245	9	198568

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									SERIAL	THRU. SER.			
	CIRCUIT MASTER							D 50244	MA R		50245	9	198569
	BOARD INSULATOR							D 50245	MA R		50245	9	198570
	POTTING CUP MODIFIED							E 50287	MA R		50245	9	198571
	HOUSING							50261	MA R		50180	8	198572
	HOUSING							J 50261	MA R		50261	9	198573
	BRACKET							J 50261	MA R		50261	9	198574
	ANGLE							J 50261	MA R		50261	9	198575
	TRIAx FLUXGATE MAG							D 50180	MA R		50150	7	198576
	CB ASSY MAGNETOMETER							D 50243	MA R		50180	8	198577
	BISTABLE MULTIVIB							C F100	MA R		50243	9	198578
	TRIGGER MODULE							C F100	MA R		50243	9	198579
	DUAL DC INVERTER MOD							C F502	MA R		50243	9	198580
	DUAL AC EMITTER							C F603	MA R		50243	9	198581
	RC AMP MODULE							C F803	MA R		50243	9	198582
	RC AMP MODULE							C F804	MA R		50243	9	198583
	RC PARAPHASE AMP MOD							C F900	MA R		50243	9	198584
	TUNED AMP MODULE							C F1000	MA R		50243	9	198585
	PUSH PULL AMP MODULE							C F1100	MA R		50243	9	198586
	FLUXGATE SPECIAL MOD							A F4001	MA R		50243	9	198587
	INDUCTOR							ASP30000	MA R		50243	9	198588
	TRANSFORMER							ASP30001	MA R		50243	9	198589
	TRANSFORMER							ASP30001	MA R		50243	9	198590
	TRANSFORMER							ASP30001	MA R		50243	9	198591
	BAND PASS FILTER							ASP30002	MA R		50243	9	198592
	TRANSFORMER							ASP30003	MA R		50243	9	198593
	TRANSISTOR							ASP30061	MA R		50243	9	198594
	CIRCUIT BOARD							D 50242	MA R		50243	9	198595
	BOARD ASSY							E 50242	MA R		50242	9	198596
	BOARD DETAIL							D 50242	MA R		50242	9	198597
	CIRCUIT MASTER							J 50241	MA R		50242	9	198598
	BOARD INSULATOR							D 50242	MA R		50242	9	198599
	CB ASSY							C 50243	MA R		50180	8	198600
	BISTABLE MULTIVIB							C F100	MA R		50243	9	198601
	TRIGGER MODULE							A F400	MA R		50243	9	198602
	DUAL DC INVERTER MOD							A F502	MA R		50243	9	198603
	DUAL AC EMITTER							C F603	MA R		50243	9	198604
	RC AMP MODULE							A F603	MA R		50243	9	198605
	RC AMP MODULE							A F804	MA R		50243	9	198606
	RC PARAPHASE							A F900	MA R		50243	9	198607
	TUNED AMP MODULE							C F1000	MA R		50243	9	198608

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									SERIAL	THRU, SER.			
	PUSH PULL AMP MODULE							A F1100	MA R		5024	9	198609
	FLUXGATE SPECIAL MOD							A F4001	MA R		5024	9	198610
	INDUCTOR							ASP30000	MA R		5024	9	198611
	TRANSFORMER							ASP30001	MA R		5024	9	198612
	TRANSFORMER							ASP30001	MA R		5024	9	198613
	TRANSFORMER							ASP30001	MA R		5024	9	198614
	BAND PASS FILTER							ASP30002	MA R		5024	9	198615
	TRANSFORMER							DSP30031	MA R		5024	9	198616
	TRANSISTOR							ASP30061	MA R		5024	9	198617
	CIRCUIT BOARD							D 50242	MA R		5024	9	198618
	BOARD ASSY							D 50242	MA R		5024	9	198619
	BOARD DETAIL							D 50242	MA R		5024	9	198620
	CIRCUIT MASTER							J T50241	MA R		5024	9	198621
	BOARD INSULATOR							D 50242	MA R		5024	9	198622
	HOUSING							J 50261	MA R		50180	9	198623
	HOUSING							J 50261	MA R		50261	9	198624
	SCHEMATIC							H 50227	MA R		50180	7	198625
	WIRING DGM							R 50275	MA R		50180	7	198626
	WIRE LIST							B 50283	MA R		50180	7	198627
	LAYOUT MAGNETOMETER							J L50285	MA R		50180	7	198628
	SYS WIRING DIAGRAM							C 50289	MA R		50180	7	198629
	CHASSIS ASSY					J4800297			MA R		4800296	5	198700
	STUD LOCK FEMALE						B 90312		MA R		4800297	6	198800
	CONNECTOR INSTL						C 90314		MA R		4800297	6	198900
	TRANSDUCER						C4600161		MA R		4800297	6	199000
	CLAMP WIRE						B4800078		MA R		4800297	6	199100
	CLAMP THERMOCOUPLE						B4800080		MA R		4800297	6	199200
	ANGLE CONN MOUNTING						C4800314		MA R		4800297	6	199300
	RISE CLAMP WIRE NO2						B4800326		MA R		4800297	6	199400
	SHIELD CHASS ASSY						J4800406		MA R		4800297	6	199500
	COMPOUND PUTTING							B 90024	MA R		4800406	7	199600
	SURFACE TREAT&HANDLE							A 90302	MA R		4800406	7	199700
	WASHER							B4500154	MA R		4800406	7	199800
	HINGE PIN							D4900503	MA R		4800297	6	199900
	DATA CONDITION 20A25					D4800298			MA R		4800296	5	200000
	CONNECTOR INSTL						C 90314		MA R		4800298	6	200100
	SUBCHASSIS DATA COND						D4800340		MA R		4800298	6	200200
	TOP SHIELD SCI EQUIP								MA R		4900501	4	200300
	CHASS ATTITUDE CONT				J4900502				MA R		4900501	4	200400
	PACK INSTALLATION					J4100223			MA R		4900502	5	200500

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	HOUSING ASSEMBLY STOP						D4100201		MA R		4100223	6	200600
	HOUSING ASSY							B4100209	MA R		4100201	7	200700
	HOUSING ASSEMBLY STOP						D4100202		MA R		4100201	7	200800
	HOUSING ASSEMBLY STOP							D4100202	MA R		4100223	6	200900
	HOUSING ASSEMBLY STOP							B4100209	MA R		4100202	7	201000
	PLATE LOUVER END							C4100203	MA R		4100202	7	201100
	ATT CONTROL GYRO 7A1					D4200368			MA R		4100223	6	201200
	GYRO SUBCHASSIS ASSY						J4200369		MA R		4900502	5	201300
	PIN LOCATING DIAMOND							B 90089	MA R		4200368	5	201400
	INTEGRATING GYRO ASSY						D4200381		MA R		4200369	7	201500
	CONTROL GYRO SCHEM						D4200393		MA R		4200368	6	201600
	CB1 ATTITUDE CONT						J4200394		MA R		4200368	6	201700
	CONTROL GYRO SCHEM							D4200393	MA R		4200368	6	201800
	CB1 ATTITUDE CONTROL							A4200394	MA R		4200394	7	201900
	PC							J4200395	MA R		4200394	7	202000
	INDUCTOR CONT GYRO							B4200399	MA R		4200394	7	202000
	CB2 ATTITUDE CONTROL							D4200396	MA R		4200394	7	202100
	CB2 PC ATTITUDE CONT								MA R		4200394	7	202200
	TRANSDUCER							J4200397	MA R		4200396	7	202300
	CLAMP WIRE					C4600161			MA R		4200396	7	202400
	CLAMP THERMOCOUPLE					B4800078			MA R		4900502	5	202500
	HINGE PIN ELECT BOX					B4800080			MA R		4900502	5	202600
	HINGE INSTALLATION					D4900503			MA R		4900502	5	202700
	BRACKET DA-15 CONN					D4900504			MA R		4900502	5	202800
	SHIELD CHASSIS					C4900505			MA R		4900502	5	202900
	SHIELD CHASS ASSY					C4900506			MA R		4900502	5	203000
	SURFACE TREAT&HANDLE					J4901001			MA R		4900502	5	203100
	WASHER						A 90302		MA R		4900502	5	203200
	SOLAR CELL ASSY						B4500154		MA R		4901001	6	203300
	CLAMP WIRE					C4901002			MA R		4901001	6	203400
	TERMINAL INSTL						B4800078		MA R		4900502	5	203500
	SHIELD THERMAL INSTL						C4901003		MA R		4901002	6	203600
	SCREW MACH PAN								MA R		4901002	6	203700
	SHIELD BAY B TO C					A 90347			MA R		4901003	7	203800
	SHIELD LOWER					D4100406			MA R		4100309	2	203900
	SHIELD LWR THERMAL					D4100407			MA R		4100410	3	204000
	SURFACE TEMPERATURE					D4100411			MA R		4100410	3	204100
	SHIELD BAY E TO F					C4600177			MA R		4100410	3	204200
									MA R		4100407	4	204300
									MA R		4100410	3	204400
									MA R		4100410	3	204500

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**DRAWING LIST, OFFSET**

CON. LIST	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE	NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
	SHIELD BAY A TO B SURFACE TREATMENT			D4100409	A 90302				MA R	41004	3	204600
	SHIELD BAY C TO D			D4100412					MA R	4100402	4	204700
	SHIELD BAY D TO E			D4100413					MA R	4100410	3	204800
	SHIELD BAY F TO A CLIP MOUNTING MICRO			D4100414					MA R	4100410	3	204900
	RADIOMETER GUARD INS		B4100442						MA R	4100409	2	205000
	ROD END ASSY		D4100454						MA R	4100309	2	205100
	HOUSING BEARING		C4100490						MA R	4100309	2	205200
	BUSHING ROD END			C4100491					MA R	4100490	3	205300
	INSERT			B4100492					MA R	4100490	3	205400
	SET SCREW MODIFIED			B4100493					MA R	4100490	3	205500
	UNIT MIDCOURSE PROP		J4700300						MA R	4100490	3	205600
	UNIT MIDCOURSE PROP			J4700301					MA R	4100309	2	205700
	WASHER C SUNK				C 90273				MA R	4700300	3	205800
	SURFACE TREATMENT				A 90302				MA R	4700301	4	205900
	SHIELD THERMAL				C3157816				MA R	4700301	4	206000
	CABLE INSTL MCPU				J4700302				MA R	4700301	4	206100
	FUEL SYS INSTALLATION					J4700303			MA R	4700302	5	206200
	NITROGEN SYS MIDCOURSE						J4700304		MA R	4700303	6	206300
	O RING STANDARD							D 90568	MA R	4700304	7	206400
	WASHER							C3151800	MA R	4700304	7	206500
	START SYS MIDCOURSE							J4700307	MA R	4700304	7	206600
	WASHER C SUNK							C 90273	MA R	4700305	8	206700
	GASKET							B3157523	MA R	4700305	8	206800
	ENG MIDCOURSE PROPUL							J4700311	MA R	4700305	8	206900
	C ENGINE ROCKET ASSY							D3153000	MA R	4700311	9	207000
	A ENGINE WELDMENT							D3153010	MA R	3153000	9	207100
	C INJECTOR ASSEMBLY							J3153011	MA R	3153010	9	207200
	A INJECTOR WELDMENT							C3153030	MA R	3153011	9	207300
	D SCREEN							C3153015	MA R	3153030	9	207400
	B INJECTOR COATED							C3153031	MA R	3153030	9	207500
	A INJECTOR WELDMENT							D3153032	MA R	3153031	9	207600
	B CLOSURE							B3153012	MA R	3153032	9	207700
	B NOZZLE SPRAY PROPLD							B3153013	MA R	3153032	9	207800
	D DOME INJECTOR							D3153016	MA R	3153032	9	207900
	A TUBE PROPELLANT							C3153022	MA R	3153032	9	208000
	D SCREEN							C3153015	MA R	3153022	9	208100
	A TUBE SECTION FWD							C3153023	MA R	3153022	9	208200
	A TUBE FLANGE SUCT							C3153024	MA R	3153022	9	208300

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CON. LIST	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE	NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
	TUBE OXIDIZER WELD							C3153026	MA R	3153026	9	208400
	D SCREEN							C3153015	MA R	3153026	9	208500
	TUBE OXIDIZER							B3153028	MA R	3153026	9	208600
	TUBE OXIDIZER SECTN							B3153035	MA R	3153026	9	208700
	FLANGE OXIDIZER BLNK							B3153029	MA R	3153032	9	208800
	A NOZZLE SPRAY OXIDZR							B3153014	MA R	3153035	9	208900
	A TUBE OXIDIZER SECTN							B3153027	MA R	3153035	9	209000
	C SHELL WELDMENT							D3153033	MA R	3153030	9	209100
	B NOZZLE WELDMENT							C3153019	MA R	3153033	9	209200
	D SCREEN							C3153015	MA R	3153019	9	209300
	A NOZZLE							D3153020	MA R	3153019	9	209400
	B ROD SUPPORT							B3153021	MA R	3153019	9	209500
	A SHELL COATED							C3153034	MA R	3153033	9	209600
	B SHELL							C3153017	MA R	3153034	9	209700
	STRUCTURE ASSEMBLY							J4700310	MA R	4700311	9	209800
	WASHER C SUNK							C 90273	MA R	4700310	9	209900
	C SUPPORT CONT ASSY							D3157103	MA R	4700310	9	210000
	A SUPPORT CONT WELDMNT							D3157117	MA R	3157103	9	210100
	A ROD SUPPORT							C3157116	MA R	3157117	9	210200
	A FORWARD RING							D3157118	MA R	3157117	9	210300
	ANGLE RING							D3157137	MA R	3157117	9	210400
	A STRUT CONT SUPPORT							D3157132	MA R	4700310	9	210500
	STRUT WELDMENT							C3157133	MA R	3157132	9	210600
	TONGUE BLANK							C3157134	MA R	3157133	9	210700
	CLEVIS BLANK							C3157135	MA R	3157133	9	210800
	TUBE							B3157136	MA R	3157133	9	210900
	A PIN CLEVIS							B3157138	MA R	4700310	9	211000
	A PLATE MOUNTING ASSY							J4700312	MA R	4700310	9	211100
	PLATE MOUNTING							J4700308	MA R	4700312	9	211200
	A CONNECTOR MOUNT							C 90088	MA R	4700308	9	211300
	BRACKET CONN ELEC							C4700313	MA R	4700310	9	211400
	BRACKET CONN ELEC							C4700314	MA R	4700310	9	211500
	BRACKET TANK FUEL							D4700315	MA R	4700310	9	211600
	A CARTRIDGE OXIDIZER							D4700326	MA R	4700310	9	211700
	O RING							D 90163	MA R	4700326	9	211800
	O RING STANDARD							D 90568	MA R	4700326	9	211900
	UNION							C3157547	MA R	4700326	9	212000
	A GAUGE VISUAL PRESS							C3157547	MA R	4700326	9	212100
	PLATE BACKUP							C3157590	MA R	4700326	9	212200
	A DIAPHRAGM BURST							C3157598	MA R	4700326	9	212300

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CDA REF.	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU. SER.			
A	RESERVOIR OXIDIZER							D4700307	MA R		4700307	9	212500
	NUT							C 90250	MA R		4700307	9	212600
	SLEEVE FITTING							C3157554	MA R		4700307	9	212700
	TUBE RESERVOIR OXID							D4700306	MA R		4700307	9	212800
	NUT							D 90250	MA R		4700306	9	212900
A	RESERVOIR GN2 IGNITER							C4700322	MA R		4700322	9	213000
	RESERVOIR GN2 WELDMT							C4700322	MA R		4700323	9	213100
	O RING							D 90163	MA R		4700322	9	213200
	CAP							D 90267	MA R		4700322	9	213300
	O RING STANDARD							D 90568	MA R		4700322	9	213400
B	NEEDLE							C3134311	MA R		4700322	9	213500
A	CAP VALVE							D3157552	MA R		4700322	9	213600
	CAP FILL							D3157553	MA R		4700322	9	213700
	TUBE							C3157560	MA R		4700322	9	213800
	CAP NEEDLE ASSY							C3157563	MA R		4700322	9	213900
	GASKET							B3157563	MA R		3157565	9	214000
	CAP							C3157564	MA R		3157565	9	214100
A	VALVE EXPLOSIVE ASSY							D4700323	MA R		4700326	9	214200
	O RING STANDARD							D 90568	MA R		4700325	9	214300
C	BODY VALVE ASSEMBLY							D3137127	MA R		4700325	9	214400
	O RING STANDARD							D 90568	MA R		3137127	9	214500
	PRIMER CHAMBER ASSY							D4700324	MA R		4700325	9	214600
A	FLANGE							C4700347	MA R		4700326	9	214700
	BLOCK PILLOW							D4700327	MA R		4700305	8	214800
	BRACKET							C4700328	MA R		4700305	8	214900
	SPACER TUBE							B4700329	MA R		4700305	8	215000
	BRACKET TUBE							C4700330	MA R		4700305	8	215100
A	SPIRER TANK NITRO							C4700332	MA R		4700304	7	215200
	SPIRER TANK NITROGEN							C3157119	MA R		4700332	8	215300
A	STUD SLOTTED							B3177120	MA R		4700332	8	215400
	NITROGEN SYSTEM ASSY							J4700335	MA R		4700304	7	215500
B	O RING STANDARD							D 90568	MA R		4700335	8	215600
	WASHER							C3151800	MA R		4700335	8	215700
B	GAUGE VISUAL							C3157539	MA R		4700335	8	215800
C	REGULATOR PNEV PRESS							D3157546	MA R		4700335	8	215900
	XDUCER PRESSURE							C3157548	MA R		4700335	8	216000
A	RING FILTER BACKUP							C3157574	MA R		4700335	8	216100
	VALVE 2WAY NITROGEN							C4700333	MA R		4700335	8	216200
	O RING STANDARD							D 90568	MA R		4700333	9	216300
B	BODY							D3157543	MA R		4700333	9	216400

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CDA REF.	TITLE	I	II	III	IV	V	VI	VII	REL. FOR MISSILE		NEXT ASSEMBLY	OFF. COL.	SEQUENCE NUMBER
									SERIAL	THRU. SER.			
	PRIMER CHAMBER ASSY							D4700324	MA R		4700335	9	216500
	FITTING NITROGEN TANK							D4700334	MA R		4700335	8	216600
	O RING							D 90163	MA R		4700334	9	216700
	CAP							D 90267	MA R		4700334	9	216800
	O RING STANDARD							D 90568	MA R		4700334	9	216900
B	NEEDLE							C3134311	MA R		4700334	9	217000
A	FITTING							J3157562	MA R		4700334	9	217100
	CAP NEEDLE ASSY							C3157565	MA R		4700334	9	217200
	GASKET							B3157563	MA R		3157565	9	217300
	CAP							C3157564	MA R		3157565	9	217400
	SHELL TANK NITROGEN							D4700336	MA R		4700304	7	217500
	FUEL SYSTEM ASSEMBLY						J4700321	MA R			4700303	6	217600
	O RING STANDARD							D 90568	MA R		4700321	7	217700
A	GAUGE VISUAL PRESSURE							C3157540	MA R		4700321	7	217800
B	TRANSDUCER PRESSURE							C3157549	MA R		4700321	7	217900
	TANK FUEL ASSEMBLY							J4700320	MA R		4700321	7	218000
	O RING STANDARD							D 90568	MA R		4700320	8	218100
A	RING LOCK							C3157522	MA R		4700320	8	218200
	BLADDER TANK FUEL							J4700319	MA R		4700320	8	218300
A	BLADDER							J3157526	MA R		4700319	9	218400
	MANIFOLD TANK FUEL							J4700318	MA R		4700319	9	218500
	O RING							D 90163	MA R		4700318	9	218600
	CAP							D 90267	MA R		4700318	9	218700
	O RING STANDARD							D 90568	MA R		4700318	9	218800
	NEEDLE							C3134311	MA R		4700318	9	218900
	CAP NEEDLE ASSY							C3157565	MA R		4700318	9	219000
	GASKET							B3157563	MA R		3157565	9	219100
	CAP							C3157564	MA R		3157565	9	219200
	BAFFLE							C3157572	MA R		4700318	9	219300
	BODY MANIFOLD TANK							J4700317	MA R		4700318	9	219400
	FITTING END							D 90164	MA R		4700317	9	219500
	SHELL TANK PROPELLANT							D4700339	MA R		4700320	8	219600
	VALVE FUEL 2-WAY ASSY							J4700338	MA R		4700321	7	219700
	O RING STANDARD							D 90568	MA R		4700338	8	219800
	PLUG							C3134501	MA R		4700338	8	219900
	PLUG							C3157508	MA R		4700338	8	220000
A	BODY							J3157544	MA R		4700338	8	220100
	PRIMER CHAMBER ASSY							D4700324	MA R		4700338	8	220200
	SPACER REGULATOR						C4900236	C4700337	MA R		4700303	6	220300
	7W10 INTERCONN. SUBAS								MA R		4700302	5	220400

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D. *Mariner R* 1962 Drawing List: GSE Numerical



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### DRAWING LIST

ITEM NO.	DRAWING NO.	PART NO.	TITLE	QTY	CLASS	WEEKS	RELEASE TO		RECEIVED BY	DATE	TIME	DRAWING CONTROL STATUS	NEXT ASSEMBLY
							SERIAL	THRU					
F	1298 600-066	128	20A1-15 FLEXOWRITER DCS LOGIC DIAGRAM		U	CCC	MR62	GSE	32			O	
					U	CCC	MR62	GSE	32			O	
D	15004 31186	166 A	CABLE 20A2 DVM MTG PLATE RADIOMETRIC		U	CSC	MR62	GSE	32			O	
A	189945 311741		HASPGSTAPLE PLATE BRKT-MTG CONTROL BOX		U	CSC	MR62	GSE	32			O	
B	311742 311743		BRKT-MTG CONTROL BOX COVER CONTROL BOX		U	CSC	MR62	GSE	32			O	
D	311744 311820		ENCLOSURE CONT BOX FRAME SUPP RADIOMTRC		U	CSC	MR62	GSE	32			O	
C	311821 311822		LIFTING JACK BLOCK SWIVEL CLAMP		U	CSC	MR62	GSE	32			O	
C	311823 311824		BLOCK SWIVEL CLAMP LOCATING PIN		U	CSC	MR62	GSE	32			O	
B	311826 311827		SCREW SWIVEL CLAMP SET SCREW SWIVEL		U	CSC	MR62	GSE	32			O	
C	311828 311829		SWIVEL CLAMP GUIDED SWIVEL CLAMP		U	CSC	MR62	GSE	32			O	
D	311830 311831		FRAME PWR SUPPLY MTG CHASS PWR SUPPLY MTG		U	CSC	MR62	GSE	32			O	
E	311832 311833		FRAME ASSY-COLUMN LOCK		U	CSC	MR62	GSE	32			O	
C	311834 311836		MOUNT OK 306 KLYSTRON MTG PLATE-SYSTEM #1		U	CSC	MR62	GSE	32			O	
C	311838 311839		SUPPORT WAVE GUIDE MTG BRKT THERMISTOR		U	CSC	MR62	GSE	32			O	
C	311840 311844		MTG BRKT KLYSTRON MTG BRACKET-FREQUENC		U	CSC	MR62	GSE	32			O	
B	311881 311885		MTG BRKT VARIABLE CAP-SPRING RETAINER		U	CSC	MR62	GSE	32			O	
B	311902 311931		CLAMP SUPPORT PWR SUPPLY		U	CSC	MR62	GSE	32			O	
D	312179 312487		SCHEM RADIOMETRIC SCOPE MOUNT		U	CSC	MR62	GSE	32			O	
C	312578 312579		PLATE DEGREE INDICTR VERNIER DEG INDICATR		U	CSC	MR62	GSE	32			O	

- DENOTES CHANGE TO PREVIOUS LIST

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**DRAWING LIST**

REV	DRAWING NO.	REV	TITLE	REV	CODE	RELEASE FOR		RESP	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
						SERIAL	THRU SER.		MO.	YR.			
	105231	B	ATT CONT GYRO PANEL	U	JPL	MR62	GSE	34	02	61	J		
	105237	B	GYRO MONITOR PHA	U	JPL	MR62	GSE	34	12	62	J		
	105238	A	GYRO MONITOR GANT PNL	U	JPL	MR62	GSE	34	12	62	J		
	105239		MANEUVR MONITOR PNL	U	JPL	MR62	GSE	34	10	62	J		
	105240		MANEUVR MONITOR PNL	U	JPL	MR62	GSE	34	10	62	J		
	105241	B	MANEUVR MONITOR PNL	U	JPL	MR62	GSE	34	12	62	J		
	105282		A/C SYS TEST CONSOLE	U	JPL	MR62	GSE	34	12	62	J		
	105283		A/C SYS TEST CONSOLE	U	JPL	MR62	GSE	34	12	62	J		
	105288		CB768 MANEUVR MONTR	U	JPL	MR62	GSE	34	02	62	J		
	105289	A	CB768 MANEUVR MONTR	U	JPL	MR62	GSE	34	02	62	J		
	105296		CB3 MANEUVR MONITOR	U	JPL	MR62	GSE	34	02	62	J		
	106314		PRESSURE SW ADAPTER	U	JPL	MR62	GSE	34	11	61	J		
1	106462		MOD ANTENNA PANEL	U	JPL	MR62	GSE	33	11	61	J		
4	106466	A	SKETCH SCHEM	U	JPL	MR62	GSE	33	12	61	J		
4	106469	A	COMMUNICATIONS	U	JPL	MR62	GSE	33	12	61	J		
4	106471	A	TEST CABLE #2	U	JPL	MR62	GSE	33	12	61	J		
5	106472	A	TEST CABLE #1	U	JPL	MR62	GSE	33	12	61	J		
5	106489		GSE CABLING	U	JPL	MR62	GSE	33	01	62	J		
	106902		A/C TEST BOX	U	JPL	MR62	GSE	34	02	62	J		
	106903		A/C TEST BOX DETAIL	U	JPL	MR62	GSE	34	02	62	J		
5	108489		SCHEM ADAPTER RACK	U	JPL	MR62	GSE	33	08	62	J		
B	113350		HOLDER SUN SENSOR	U	JPL	MR62	GSE	34	10	60	J		
D	113351		SHIELD TEST SUN SENS	U	JPL	MR62	GSE	34	01	61	J		
A	113352		INSERT TEST SHIELD	U	JPL	MR62	GSE	34	10	60	J		
B	113353		PLATE TEST SHIELD	U	JPL	MR62	GSE	34	10	60	J		
A	113354		SUPPORT LAMP TEST	U	JPL	MR62	GSE	34	10	60	J		
B	113355		SUPPORT LAMP SENSOR	U	JPL	MR62	GSE	34	10	60	J		
B	113730		HOLDER SUN SENSOR	U	JPL	MR62	GSE	34	04	61	J		
D	113731	A	SHIELD TEST SUN SENS	U	JPL	MR62	GSE	34	04	61	J		
C	118285		CABLE 20A4-3 GENERTR	U	JPL	MR62	GSE	32	03	62	J		
B	118286		RADIOMETER SCAN TEST	U	JPL	MR62	GSE	32	02	62	J		
C	118292		WLMAGNETOMETER EXP	U	JPL	MR62	GSE	32			O		
C	118293		WL CLOCK TO DCS	U	JPL	MR62	GSE	32			O		
C	118294		WL IC PF RAD6CD EXP	U	JPL	MR62	GSE	32			O		
B	118295		CABLE 20A4-F	U	JPL	MR62	GSE	32	02	62	J		
B	118296		CABLE 20A4 ABCD MED	U	JPL	MR62	GSE	32	02	62	J		
A	118297		CABLE 20A4-E DIGITAL	U	JPL	MR62	GSE	32	02	62	J		
B	118357		20A0-10 MODIFY CSC	U	JPL	MR62	GSE	32			O		
C	118359		WL POWER SUPPLIES	U	JPL	MR62	GSE	32			O		
C	118360		WL COMMERCIAL INST	U	JPL	MR62	GSE	32			O		

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**CALIFORNIA INSTITUTE OF TECHNOLOGY, PASADENA, CALIF.**  
**MARINER P 62 GSE NUMERICAL**

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**DRAWING LIST**

REV	DRAWING NO.	REV	TITLE	REV	CODE	RELEASE FOR		RESP	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
						SERIAL	THRU SER.		MO.	YR.			
D	118507		CLOCK CABLE SCIENCE	U	JPL	MR62	GSE	32	11	61	J		
U	118508	A	CLOCK61C COUNTER	U	JPL	MR62	GSE	32	02	62	J		
U	118550	D	GSE TO EXPERIMENTS	U	JPL	MR62	GSE	32	02	62	J		
U	118551		CABLING 20A21620A22	U	JPL	MR62	GSE	32	11	61	J		
U	118552		20A23 20A24 20A25 C	U	JPL	MR62	GSE	32	11	61	J		
U	118553	C	20A24 TO 20A6-P1	U	JPL	MR62	GSE	32	12	61	J		
U	118554	A	20A22 TO 20A6 P2	U	JPL	MR62	GSE	32	12	61	J		
D	118555	A	20A21 TO 20A6 P3	U	JPL	MR62	GSE	32	12	61	J		
D	118556	A	20A6 P4 TO 20A0 P1	U	JPL	MR62	GSE	32	12	61	J		
D	118557	A	20A6 P5 TO 20A0 P2	U	JPL	MR62	GSE	32	12	61	J		
U	118559		20A0-3 MECHANICAL LO	U	JPL	MR62	GSE	32	01	62	J		
U	118560	A	20A0-4 MECHANICAL LO	U	JPL	MR62	GSE	32	03	62	J		
B	118561		20A0-5 MECHANICAL LO	U	JPL	MR62	GSE	32	01	62	J		
C	118562		CLOCK PULSE GENERATR	U	JPL	MR62	GSE	32	01	62	J		
U	118563		SCHEM DIGITAL SCAN	U	JPL	MR62	GSE	32	01	62	J		
C	118564		SCHEM 11 VOLT	U	JPL	MR62	GSE	32	01	62	J		
U	118566		20A1-2 MECHAN LO	U	JPL	MR62	GSE	32	05	62	J		
C	118567		20A0-2 MECHANICAL LO	U	JPL	MR62	GSE	32			O		
U	118568		SCHEM S/C PWR CONTRL	U	JPL	MR62	GSE	32	01	62	J		
U	118569	A	SCHEMATIC SOL PLASMA	U	JPL	MR62	GSE	32	02	62	J		
D	118570		SCHEM SWITCH SUBASSY	U	JPL	MR62	GSE	32	01	62	J		
C	118573		20A0-2 SCHEM PWR SW	U	JPL	MR62	GSE	32	05	62	J		118840
D	118575		MED COUNTERS	U	JPL	MR62	GSE	32	01	62	J		
C	118719		20A23 TO 20A6 P6	U	JPL	MR62	GSE	32	01	62	J		
U	118725		INTERCONN HARNESS	U	JPL	MR62	GSE	32	01	62	J		
D	118728		20A6 MECHANICAL LO	U	JPL	MR62	GSE	32	01	62	J		
D	118729		GSE ISOLATION BOX	U	JPL	MR62	GSE	32			O		
D	118730		CABLE CLOCK DCS	U	JPL	MR62	GSE	32	04	62	J		
A	118769		20A6P1 FLOW SHEET	U	JPL	MR62	GSE	32	12	61	J		
A	118770		20A6-P2 FLOW SHEET	U	JPL	MR62	GSE	32	12	61	J		
A	118771		20A6 P3 FLOW SHEET	U	JPL	MR62	GSE	32	12	61	J		
A	118772		20A6 P6 FLOW SHEET	U	JPL	MR62	GSE	32	12	61	J		
A	118773		20A6 P4 FLOW SHEET	U	JPL	MR62	GSE	32	12	61	J		
A	118774		20A6 P5 FLOW SHEET	U	JPL	MR62	GSE	32	12	61	J		
A	118775		20A6 P7 FLOW SHEET	U	JPL	MR62	GSE	32	12	61	J		
J	118780		20A6 ISOLATN SCHEM	U	JPL	MR62	GSE	32	03	62	J		
C	118781	B	20A6 CKT BDI	U	JPL	MR62	GSE	32	03	62	J		
C	118782	B	20A6 CB2	U	JPL	MR62	GSE	32	02	62	J		
J	118786		20A0-12 SCHEMATIC	U	JPL	MR62	GSE	32	05	62	J		
C	118787		CABLING THRU 20A6	U	JPL	MR62	GSE	32	01	62	J		

\* DENOTES CHANGE TO PREVIOUS LIST

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6. 12-62

### DRAWING LIST

B	DRAWING NO.	REV. NO.	REV. DATE	TITLE	ENG.	DATE	REVISION CODE	PLACEMENT		REV. DATE	REV. DATE	DRAWING LIST/REV. STATUS	NEXT ASSEMBLY
								W/IDE ITEM	TYPE				
E	118823	A		20A1-2 WIRING DGM	U	JPL	MR62	GSE	32	05	62	J	
C	118824	A		20A0-2 WIRING DGM	U	JPL	MR62	GSE	32	05	62	J	
C	118825	A		20A0-3 WIRING DGM	U	JPL	MR62	GSE	32	05	62	J	
B	118826	A		20A0-5 WIRING DGM	U	JPL	MR62	GSE	32	05	62	J	
C	118830			20A1-12 SCHEM PWR	U	JPL	MR62	GSE	32	01	62	J	
C	118831			SCHEM PWR SUPPLY	U	JPL	MR62	GSE	32	01	62	J	
D	118835			SURCHASSIS SW SUBASSY	U	JPL	MR62	GSE	32	01	62	J	118840
D	118836			SUBCHASS CUR INJECT	U	JPL	MR62	GSE	32	01	62	J	118842
D	118837			COVER CURRENT INJECT	U	JPL	MR62	GSE	32	01	62	J	118842
C	118838			GASKET CUR INJECTION	U	JPL	MR62	GSE	32	01	62	J	118842
C	118839			BRACKET SW SUBASSY	U	JPL	MR62	GSE	32	01	62	J	118840
J	118840			SWITCH SUBASSY	U	JPL	MR62	GSE	32	01	62	J	118842
J	118841			PROBE ASSY	U	JPL	MR62	GSE	32	01	62	J	118842
J	118842			CURRENT INJECTION	U	JPL	MR62	GSE	32	01	62	J	
C	118843			RETAINER	U	JPL	MR62	GSE	32	01	62	J	118842
D	118844			SKETCH PATCH PNL LO	U	JPL	MR62	GSE	32	07	62	J	
C	118885	A		BRACKET	U	JPL	MR62	GSE	32	09	62	J	
C	118887			20A0 59 CABLE	U	JPL	MR62	GSE	32	01	62	J	
C	118888			20A1-60 PLEXOWRITER	U	JPL	MR62	GSE	32	01	62	J	
C	118893	A		20A1-5 WIRING DGM	U	JPL	MR62	GSE	32	05	62	J	
C	118894	A		20A0-16 20A1-16 CBLE	U	JPL	MR62	GSE	32	05	62	J	
B	118895			DCS ANALOG VOLTAGE	U	JPL	MR62	GSE	32	05	62	J	
C	118896	A		20A1-C1 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118897	A		20A1-C2 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118898			20A1 C3 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118899			20A1 C4 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118900			20A1 C5 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118901			20A1 C6 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118902			20A1 C7 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118903			20A0 C1 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118904	A		20A0 C2 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118905			20A0 C3 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118906			20A0 C4 CABLE	U	JPL	MR62	GSE	32	01	62	J	
C	118907			20A0 C5 PLUG B CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118908	A		20A0 C6 PLUG F CABLE	U	JPL	MR62	GSE	32	03	62	J	
C	118909			20A0 C6 PLUG A CABLE	U	JPL	MR62	GSE	32	03	62	J	
C	118910			20A0 C6 PLUG D CABLE	U	JPL	MR62	GSE	32	03	62	J	
C	118911			20A1 C6 CABLE	U	JPL	MR62	GSE	32	03	62	J	
C	118912			20A1 C9 CABLE	U	JPL	MR62	GSE	32	03	62	J	
C	118913	A		20A1 C10 CABLE	U	JPL	MR62	GSE	32	03	62	J	

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### DRAWING LIST

REV	DRAWING NO.	BASE NO.	REV	TITLE	CPL	CMT	REVISION CODE	RELEASE FOR	REV	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								SERIAL	TOTAL				
B	118915			SCHEM SOL PLASMA	U	JPL	MR62	GSE	32	01	62		
C	118925			DCS	U	JPL	MR62	GSE	32	01	62		
C	118954			WL POWER SW EXP	U	JPL	MR62	GSE	32				
C	118955			WL SOLAR PLASMA EXP	U	JPL	MR62	GSE	32				
C	118962			20A0-15 MECHAN CONN	U	JPL	MR62	GSE	32	02	62		
C	118963			20A1-14 MECHAN CONN	U	JPL	MR62	GSE	32	02	62		
C	118964	A		20A1-7 VISICORDER	U	JPL	MR62	GSE	32	05	62		
D	118965			SCIENTIFIC RACK LG	U	JPL	MR62	GSE	32	02	62		
D	118966			CABLE 20A3-4	U	JPL	MR62	GSE	32	03	62		
C	118967			CABLE 20A3-1 MAGNET	U	JPL	MR62	GSE	32	04	62		
C	118968			CABLE 20A3-4 PWR CON	U	JPL	MR62	GSE	32	03	62		
C	118998	C		20A1-13 WIRE LIST TB	U	JPL	MR62	GSE	32	03	62		
J	119200			GSE BLOCK DGM	U	JPL	MR62	GSE	33				
J	119449			FEED THRU PLATE PWR	U	JPL	MR62	GSE	35				
J	119450			FEED THRU PLATE SIGN	U	JPL	MR62	GSE	35				
D	121040			SCHEM 100TF BINARY	U	JPL	MR62	GSE	32				
B	121306			20A0-9 WIRING DGM	U	JPL	MR62	GSE	32	03	62		
D	121307			20A0-9 BACK PNL SDT	U	JPL	MR62	GSE	32	03	62		
J	121321			CSC 2.4 KC PWR SUPP	U	JPL	MR62	GSE	32	04	62		
J	121321			20A0-10 CSC 2400 CPS	U	JPL	MR62	GSE	32	04	62		
C	121352		B	20A1-3 WIRING SYS	U	JPL	MR62	GSE	32	05	62		
B	121795			SCHEM 100TF LAMP	U	JPL	MR62	GSE	32				
B	121796			SCHEM 100TF6105T	U	JPL	MR62	GSE	32				
J	3261002	C		HANDLING FIXTURE	U	JPL	MR62	GSE	38	10	61		
D	3349050	A		TEST LIGHT ASSY	U	JPL	MR62	GSE	34	12	62		
C	3349051	A		TOP TEST LIGHT	U	JPL	MR62	GSE	34	12	62		
C	3349052			BASE TEST LIGHT ASSY	U	JPL	MR62	GSE	34	08	60		
B	3349053			BODY LAMP TEST LIGHT	U	JPL	MR62	GSE	34	08	60		
B	3349055			CONTACT TEST LIGHT	U	JPL	MR62	GSE	34	08	60		
B	3349056			INSULATOR TEST LIGHT	U	JPL	MR62	GSE	34	08	60		
B	3349057			RETAINER TEST LIGHT	U	JPL	MR62	GSE	34	08	60		
B	3349058			THUMBSCREW TEST LITE	U	JPL	MR62	GSE	34	08	60		
B	3349059			GASKET TEST LIGHT	U	JPL	MR62	GSE	34	08	60		
A	3349060			GASKET INNER TEST	U	JPL	MR62	GSE	34	08	60		
A	3349061			GASKET OUTER TEST	U	JPL	MR62	GSE	34	08	60		
B	3349062			CLAMP BAR TEST LITE	U	JPL	MR62	GSE	34	08	60		
D	3349063			TEST LIGHT ASSY	U	JPL	MR62	GSE	34	08	60		
C	3349064	A		BASE TEST LITE ASSY	U	JPL	MR62	GSE	34	12	62		
D	4800353			SCHEMATIC CH SQUIB	U	JPL	MR62	GSE	34				
D	8900465			CABLE ASS INTERNAL	U	JPL	MR62	GSE	34				

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## DRAWING LIST

REV	DRAWING NO.	PART NO.	TITLE	QTY	UNIT	VENDOR CODE	RELEASE FOR MAJOR ITEM		REV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	S.O.
							SERIAL	THRU SER.		NO.	YY			
J	8200001		B RACK ASSY			U JPL	MR62	GSE	35	02	62	J	8200050	
D	8200014		B CB ASSY SQUIB CUR			U JPL	MR62	GSE	35	01	62	J	8200035	
J	8200019		PYRO MONITOR B			U JPL	MR62	GSE	35	02	62	J	8200050	
J	8200020		A PANEL			U JPL	MR62	GSE	35	01	63	J	8200019	
J	8200021		A CHASSIS ASSY			U JPL	MR62	GSE	35	02	62	J	8200035	
B	8200022		A PLATE FUNCTION			U JPL	MR62	GSE	35	01	63	J	8200019	
B	8200023		A PLATE FUNCTION			U JPL	MR62	GSE	35	01	63	J	8200019	
B	8200023		A PLATE FUNCTION			U JPL	MR62	GSE	35	01	63	J	8200035	
B	8200024		A PLATE FUNCTION			U JPL	MR62	GSE	35	02	62	J	8200035	
B	8200024		A PLATE FUNCTION			U JPL	MR62	GSE	35	02	62	J	8200035	
B	8200025		A PLATE FUNCTION			U JPL	MR62	GSE	35	01	63	J	8200019	
B	8200025		A PLATE FUNCTION			U JPL	MR62	GSE	35	01	63	J	8200035	
B	8200026		A PLATE FUNCTION			U JPL	MR62	GSE	35	01	63	J	8200019	
B	8200026		A PLATE FUNCTION			U JPL	MR62	GSE	35	01	63	J	8200035	
J	8200027		PYRO MONITOR SCHEM			U JPL	MR62	GSE	35	03	62	J	8200035	
C	8200028		A BRACKET CHASSIS MTG			U JPL	MR62	GSE	35	01	63	J	8200035	
C	8200028		A BRACKET			U JPL	MR62	GSE	35	01	63	J	8200019	
C	8200029		CB1 PYRO MONITOR			U JPL	MR62	GSE	35	02	62	J	8200035	
C	8200030		CB2 PYRO MONITOR			U JPL	MR62	GSE	35	02	62	J	8200035	
B	8200031		A SUPPORT			U JPL	MR62	GSE	35	01	63	J	8200035	
B	8200031		A SUPPORT			U JPL	MR62	GSE	35	01	63	J	8200019	
C	8200032		A RETAINER			U JPL	MR62	GSE	35	01	63	J	8200035	
C	8200032		A RETAINER			U JPL	MR62	GSE	35	01	63	J	8200019	
B	8200033		A SUPPORT SWITCH			U JPL	MR62	GSE	35	01	63	J	8200035	
B	8200033		A SUPPORT SWITCH			U JPL	MR62	GSE	35	01	63	J	8200019	
B	8200034		A RESISTOR ASSY			U JPL	MR62	GSE	35	01	63	J	8200035	
B	8200034		A RESISTOR ASSY			U JPL	MR62	GSE	35	01	63	J	8200019	
J	8200035		A RESISTOR ASSEMBLY			U JPL	MR62	GSE	35	01	63	J	8200035	
J	8200035		PYROTECHNIC MON ASSY			U JPL	MR62	GSE	35	02	62	J	8200050	
J	8200037		A JUNCTION PANEL			U JPL	MR62	GSE	35	01	63	J	8200035	
J	8200050		PYRO MONITOR CONSOLE			U JPL	MR62	GSE	35	06	62	J	8200050	
J	8200067		A CONNECTOR INTERFACE			U JPL	MR62	GSE	35	01	63	J	8200050	
B	8200100		A ANGLE SHELF SUPPORT			U JPL	MR62	GSE	35	01	63	J	8200050	
C	8200101		A DRAWER SHELF			U JPL	MR62	GSE	35	01	63	J	8200050	
D	8200102		B SUPPORT			U JPL	MR62	GSE	35	01	63	J	8200050	
D	8200112		A PCA RESET MONITOR			U JPL	MR62	GSE	35	01	63	J	8200050	
J	8200197		PAID SHIPPING CASE			U JPL	MR62	GSE	34	09	62	J	8200199	
J	8200198		COVER SHIPPING CASE			U JPL	MR62	GSE	34	09	62	J	8200199	
J	8200199		SHIPPING CASE A/C			U JPL	MR62	GSE	34	09	62	J	8200199	
J	8200209		A BOOSTER NITROGEN			U JPL	MR62	GSE	34	11	62	J		
J	8200211		MOCK UP FORM A/C			U JPL	MR62	GSE	34	09	62	J		

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REV	DRAWING NO.	PART NO.	TITLE	QTY	UNIT	VENDOR CODE	RELEASE FOR MAJOR ITEM		REV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	S.O.
							SERIAL	THRU SER.		NO.	YY			
J	8200215		TOOL TUBE CUTTER ASSY			U JPL	MR62	GSE	34	09	62	J	8200215	
J	8200216		KIT TUBE CUTTER ASSY			U JPL	MR62	GSE	34	09	62	J		
J	8200206		BLOCKHOUSE CHASS WIR			U JPL	MR62	GSE	34			J		
J	8200374	SP	BLOCKHOUSE ASSY			U JPL	MR62	GSE	34			J		
J	8200375		BLOCKHOUSE ASSY WIRE			U JPL	MR62	GSE	34			J		
J	8200519		PRINTED CIRCUITRY			U JPL	MR62	GSE	35			J		
J	8700005		C FIXTURE HANDLE MCPD			U JPL	MR62	GSE	38	11	61	J		
J	8700031		FUEL TILL ASSY			U JPL	MR62	GSE	34	10	61	J		
J	8700034		A TEST FIXTURE			U JPL	MR62	GSE	34	02	62	J		
J	8700041		FUEL TANK LEAK TEST			U JPL	MR62	GSE	34	05	62	J		
D	8700043		WRENCH ASSY			U JPL	MR62	GSE	34	06	62	J		
J	8700044		DIAPHRAGM LEAK TEST			U JPL	MR62	GSE	38	08	62	J		
D	8700076		CORE PATTERN CURING			U JPL	MR62	GSE	38			J		
C	8700077		BLADDER TEST MANIFLD			U JPL	MR62	GSE	38			J		
J	8700078		HANDLING FIXTURE			U JPL	MR62	GSE	34			J		
B	8800036		20A0-12 MECHAN TRACK			U JPL	MR62	GSE	32	02	62	J		
C	8800038		20A0-14 MECHAN INSUL			U JPL	MR62	GSE	32	02	62	J		
J	8800039		20A0-12 CHASS LOGIC			U JPL	MR62	GSE	32	04	62	J		
D	8800040		20A0-12 WIRING BD1			U JPL	MR62	GSE	32	02	62	J		
A	8800040	PL	20A0-12 BD1			U JPL	MR62	GSE	32	02	62	J		
D	8800041		A 20A0-12 WIRING BD2			U JPL	MR62	GSE	32	04	62	J		
A	8800041	PL	20A0-12 BD2			U JPL	MR62	GSE	32	02	62	J		
D	8800042		A 20A0-12 WIRING BD3			U JPL	MR62	GSE	32	02	62	J		
A	8800042	PL	20A0-12 BD3			U JPL	MR62	GSE	32	02	62	J		
D	8800043		A 20A0-12 WIRING BD4			U JPL	MR62	GSE	32	02	62	J		
A	8800043	PL	20A0-12 BD4			U JPL	MR62	GSE	32	02	62	J		
D	8800044		A 20A0-12 WIRING BD5			U JPL	MR62	GSE	32	02	62	J		
A	8800044	PL	20A0-12 BD5			U JPL	MR62	GSE	32	02	62	J		
D	8800045		A 20A0-12 MECHANCL LO			U JPL	MR62	GSE	32	02	62	J		
D	8800046		A 20A0-12 MECHAN COVER			U JPL	MR62	GSE	32	02	62	J		
B	8800047		A 20A0-14 MECHAN HEAT			U JPL	MR62	GSE	32	02	62	J		
C	8800057		TTY/FLEX CONVERSION			U JPL	MR62	GSE	32	05	62	J		
C	8800059		A 20A1-15 SCHEM RELAY			U JPL	MR62	GSE	32	05	62	J		
C	8800060		A 20A1-15 MECHAN BRKT			U JPL	MR62	GSE	32	02	62	J		
D	8800061		TTY CONVERSN TERMINAL			U JPL	MR62	GSE	32	02	62	J		
D	8800062		TTY CONVERSN CIR DGM			U JPL	MR62	GSE	32	02	62	J		
D	8800063		A 20A1-9A SPECIAL MOD			U JPL	MR62	GSE	32	02	62	J		
B	8800070		A BASIC SUB-FRAME			U JPL	MR62	GSE	32	05	62	J		
D	8800080		A 20A0-12 WIRING BD2			U JPL	MR62	GSE	32	02	62	J		
C	8800082		A 20A0-4 BRACKET CYCL			U JPL	MR62	GSE	32	02	62	J		

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#	DRAWING NO.	REV.	TITLE	REV.	VENOR CODE	RELEASE FOR		REV.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	#
						REVISION	THRU					
C	8800083		20A0-4 ASSY CYCLIC		U JPL	MR62	GSE	32	03	62		
B	8800084	B	20A0-4 SCHEMATIC		U JPL	MR62	GSE	32	05	62	J	
D	8800085	A	20A0-4 CB CYCLIC CAL		U JPL	MR62	GSE	32	03	62	J	
D	8800094		SCHEM RADJOMTR MOTOR		U JPL	MR62	GSE	32	03	62	J	
C	8800095		RADIOMETER BLOCK DGM		U JPL	MR62	GSE	32	03	62	J	
D	8800096		LO FRONT PNL RADMT		U JPL	MR62	GSE	32	03	62	J	
D	8800097	A	INPUT ONE SHOT CIRCT		U JPL	MR62	GSE	32	04	62	J	
C	8800098		INPUT ONE SHOT SCHEM		U JPL	MR62	GSE	32	04	62	J	
D	8800099	A	LOGIC DGM DIGITAL		U JPL	MR62	GSE	32	03	62	J	
D	8800101		CONNECTOR PANEL		U JPL	MR62	GSE	32	05	62	J	
D	8800102	A	PANEL A MODIFIED		U JPL	MR62	GSE	32	05	62	J	
D	8800103		PANEL B MODIFIED		U JPL	MR62	GSE	32	05	62	J	
D	8800104		PANEL C MODIFIED		U JPL	MR62	GSE	32	05	62	J	
D	8800105		INTERPANEL MODIFIED		U JPL	MR62	GSE	32	05	62	J	
D	8800106		20A1-3 MECHAN SYS SW		U JPL	MR62	GSE	32	03	62	J	
D	8800107		20A1-5 MECHAN LO		U JPL	MR62	GSE	32	03	62	J	
D	8800108		20A0-9 FRONT PNL SDY		U JPL	MR62	GSE	32	03	62	J	
C	8800109	A	20A0-4 WIRING DGM		U JPL	MR62	GSE	32	05	62	J	
C	8800111		20A1-9 MODULE SCHEM		U JPL	MR62	GSE	32	04	62	J	
C	8800112		DEC 4111		U JPL	MR62	GSE	32	04	62	J	
C	8800113		DEC 4301		U JPL	MR62	GSE	32	04	62	J	
C	8800114		DEC 4113		U JPL	MR62	GSE	32	04	62	J	
C	8800115		DEC 4215		U JPL	MR62	GSE	32	04	62	J	
C	8800116		DEC 4213		U JPL	MR62	GSE	32	05	62	J	
C	8800117		DEC 1682		U JPL	MR62	GSE	32	05	62	J	
D	8800118		DEC 4410		U JPL	MR62	GSE	32	05	62	J	
C	8800119		DEC 4209		U JPL	MR62	GSE	32	05	62	J	
C	8800126		20A1-13 SUBASSY TB		U JPL	MR62	GSE	32	04	62	J	
D	8800129		SCHEM 20A25 XFORMER		U JPL	MR62	GSE	32	04	62	J	
C	8800134		INTERNAL OSCIL SCHEM		U JPL	MR62	GSE	32	05	62	J	
D	8800135		INTERNAL OSCIL CIRCT		U JPL	MR62	GSE	32	05	62	J	
D	8800136		20A1-9A WIR DGM		U JPL	MR62	GSE	32	05	62	J	
D	8800137		MODIFIED FRONT PNL		U JPL	MR62	GSE	32	05	62	J	
D	8800156	A	MODIFIED SDT READOUT		U JPL	MR62	GSE	32	05	62	J	
D	8800157		20A1-9A FLOW DGM		U JPL	MR62	GSE	32	05	62	J	
D	8800158		DATA INPUTS		U JPL	MR62	GSE	32	05	62	J	
D	8800159		INPUT&OUTPUT REGISTR		U JPL	MR62	GSE	32	05	62	J	
D	8800160		BIT/WORD/SUBFRAME		U JPL	MR62	GSE	32	05	62	J	
D	8800161		ACCUMUL/TIME/FUNCTIN		U JPL	MR62	GSE	32	05	62	J	
D	8800162		NUMERIC READOUT		U JPL	MR62	GSE	32	05	62	J	

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#	DRAWING NO.	REV.	TITLE	REV.	VENOR CODE	RELEASE FOR		REV.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	#
						REVISION	THRU					
D	8800163		TTY CONVERTER&DRIVER		U JPL	MR62	GSE	32	05	62	J	
D	8800164		20A1-9A SCIDATA TRAN		U JPL	MR62	GSE	32	06	62	J	
D	8900455	A	CONSOLE CABLE #4		U JPL	MR62	GSE	35	01	63	J	8200050
D	8900456	A	CONSOLE CABLE #1		U JPL	MR62	GSE	35	01	63	J	8200050
D	8900457	A	CONSOLE CABLE #3		U JPL	MR62	GSE	35	01	63	J	8200050
D	8900458	A	CONSOLE CABLE #8		U JPL	MR62	GSE	35	01	63	J	8200050
D	8900459	B	CONSOLE CABLE #2		U JPL	MR62	GSE	35	01	63	J	8200050
B	8900460	A	CONSOLE CABLE #7		U JPL	MR62	GSE	35	01	63	J	8200050
C	8900461	B	CONSOLE CABLE #5		U JPL	MR62	GSE	35	01	63	J	8200050
C	8900462	B	CONSOLE CABLE #6		U JPL	MR62	GSE	35	01	63	J	8200050
C	8900463	A	CONSOLE CABLE #9		U JPL	MR62	GSE	35	01	63	J	8200050
C	8900471		GSE TEST AREA		U JPL	MR62	GSE	35	12	62	J	8900469
J	8900473		UMBILICAL JUNCT BOX		U JPL	MR62	GSE	35			O	
J	8900478		GSE S/C INTERFACE		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900479		2W21MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900480		2W22MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900481		2W23MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900482		2W24MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900483		2W25MR		U JPL	MR62	GSE	35	12	62	J	8900469
C	8900484		2W26MR		U JPL	MR62	GSE	35	12	62	J	8900469
C	8900485		2W27MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900486		2W28MR		U JPL	MR62	GSE	35	12	62	J	8900469
C	8900487		2W29MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900523		2W332MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900524		2W333MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900525		2W406MR		U JPL	MR62	GSE	35	12	62	J	8900469
C	8900533		2W322MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900542		2W324MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900545		2W334MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900546		3W21MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900547		3W22MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900548		3W27MR		U JPL	MR62	GSE	35	12	62	J	8900469
B	8900549		3W28MR		U JPL	MR62	GSE	35	12	62	J	8900469
C	8900576		3W21QMR		U JPL	MR62	GSE	35	12	62	J	8900469
C	8900592		CA SYS GROUND CABLE		U JPL	MR62	GSE	35	12	62	J	8900592
J	8900593		GSE PWR JCT BOX		U JPL	MR62	GSE	35			O	
J	8900610		WIR DGM GSE		U JPL	MR62	GSE	35	12	62	J	8900469
J	8900826	C	MASTER CABLE BLK DGM		U JPL	MR62	GSE	31	11	62	J	
J	9132344		SHAKE FIXTURE		U JPL	MR62	GSE	31			O	
J	9132780		COLD BOX-ELECTRONIC		U JPL	MR62	GSE	37	08	61	J	

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REF	DRAWING NO.	PAGE NO.	CAGE LIT.	TITLE	CAGE	CLASS	RECORD CODE	RELEASE FOR DISC ITEM		REF. BY.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	1
								SERIAL	THRU SER.		MO.	YR.			
D	9132874			BATTTRY TEMP CONT BOX	U	JPL	MR62	GSE	37	10	61	J			
	SP30030	-2		IDENTIFICATION PLATE	U	ML	MR62	GSE	32			0			
	SP30081	-1		INDUCTOR SPECIFICATN	U	ML	MR62	GSE	32			0			
	SP30081			INDUCTOR SPECIFICATN	U	ML	MR62	GSE	32			0			
	SP30081	-1		INDUCTOR SPECIFICATN	U	ML	MR62	GSE	32			0			
	SP30083			METER MARKING CALIBR	U	ML	MR62	GSE	32			0			
	SP30084			METER MARKING SCALE	U	ML	MR62	GSE	32			0			
	SP30085			METER MARKING DATA	U	ML	MR62	GSE	32			0			
	30086			METER MARKING TEMP	U	ML	MR62	GSE	32			0			
	S40065			TEST PROCEDURE CONT	U	ML	MR62	GSE	32			0			
	50272	101		MAGNETMR CONT UNIT	U	ML	MR62	GSE	32			0			
	50273			SCHEM MAGNETMR CONT	U	ML	MR62	GSE	32			0			
	50290	101		BOARD ASSY CALIBRATE	U	ML	MR62	GSE	32			0			
	50291	101		BOARD CALIBRATE	U	ML	MR62	GSE	32			0			
	T50292			CIRCUIT MASTER	U	ML	MR62	GSE	32			0			
	50293			BOARD ASY FIELD GEN	U	ML	MR62	GSE	32			0			
	50293	101		BOARD ASSY FIELD GEN	U	ML	MR62	GSE	32			0			
	50294			BOARD FIELD GENERATR	U	ML	MR62	GSE	32			0			
	T50295			CIRCUIT MASTER GERTR	U	ML	MR62	GSE	32			0			
	50295	102		BOARD ASSY	U	ML	MR62	GSE	32			0			
	50300			WIRING MAGNETMR	U	ML	MR62	GSE	32			0			
	50301			FRONT PANEL&CHASS	U	ML	MR62	GSE	32			0			
	120526	A		DOLLY DUAL CABINET	U	MOT	MR62	GSE	33			0			
	120536	A		POWER SUPPLY C-480M	U	MOT	MR62	GSE	33			0			
	120546	A		POWER SUPPLY C-280M	U	MOT	MR62	GSE	33			0			
	120549	A		POWER SUPPLY	U	MOT	MR62	GSE	33			0			
	120554	A		POWER SUPPLY C-480	U	MOT	MR62	GSE	33			0			
	120690	A		PW SUPPLY JUE S	U	MOT	MR62	GSE	33			0			
	120694	A		POWER SUPPLY C480N	U	MOT	MR62	GSE	33			0			
	122662	B	A	UNIVERSAL BD ASSY	U	MOT	MR62	GSE	33			0			
	122672	B	A	LIMITER OUTPUT AMPL	U	MOT	MR62	GSE	33			0			
	122673	B	A	COMMAND MODULATOR AY	U	MOT	MR62	GSE	33			0			

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								SERIAL	THRU SER.		NO.	YE.		
	122674	B	A	MODULATOR&LIMITER DR	U	MOT	MR62	GSE	33				0	
	122675	B	A	COMM MOD INVERT AMPL	U	MOT	MR62	GSE	33				0	
	122677	B	A	COMM MOD OUTPUT AMPL	U	MOT	MR62	GSE	33				0	
	122686	B	B	PC JK/T FLIP FLOP	U	MOT	MR62	GSE	33				0	
	122687	B	A	PC INVERTER ASSY	U	MOT	MR62	GSE	33				0	
	122688	B	A	PC TRL GATE 4/3 A	U	MOT	MR62	GSE	33				0	
	122689	B	B	PC CB - LEVEL AMPL	U	MOT	MR62	GSE	33				0	
	122690	B	A	PC BD LAMP DRIVER	U	MOT	MR62	GSE	33				0	
	122691	B	A	PC BD EMIT FOLLOWER	U	MOT	MR62	GSE	33				0	
	122692	B	A	PC BD TRL GATE 3/3 B	U	MOT	MR62	GSE	33				0	
	122694	B	B	PC BD POWER DRIVER	U	MOT	MR62	GSE	33				0	
	122695	B	A	PC BD EMIT FOLLOWER	U	MOT	MR62	GSE	33				0	
	122699	B	B	PC PLUS LEVEL AMPL	U	MOT	MR62	GSE	33				0	
	122713	B	A	PC CB TRL GATE 4/3 C	U	MOT	MR62	GSE	33				0	
	122714	B	A	PC CB TRL GATE 4/3 D	U	MOT	MR62	GSE	33				0	
	122779	A		TUNED CAVITY	U	MOT	MR62	GSE	33				0	
	122843	A		OSC HP 122AR	U	MOT	MR62	GSE	33				0	
	123234	A		AMPLITUDE MODULATOR	U	MOT	MR62	GSE	33				0	
D	125454	B	A	PC CB WORD COUNTER	U	MOT	MR62	GSE	33				0	
D	125455	B	A	PC CB LIMITER	U	MOT	MR62	GSE	33				0	
D	125456	B	B	PC CB CHOP DEMODULTR	U	MOT	MR62	GSE	33				0	
D	125481	B	A	UNIVERSAL BD A	U	MOT	MR62	GSE	33				0	
D	125482	B	A	UNIVERSAL BD B	U	MOT	MR62	GSE	33				0	
D	125483	B	A	PC CB CHOP DEMOD DR	U	MOT	MR62	GSE	33				0	
D	125484	B	A	PC CB SHAPER ASSY	U	MOT	MR62	GSE	33				0	
D	125485	B	A	PC CB MONOSTABLE	U	MOT	MR62	GSE	33				0	
D	125518	B	A	SUMMING AMPLIFIER	U	MOT	MR62	GSE	33				0	
D	125571	B	A	UNIVERSAL BD C	U	MOT	MR62	GSE	33				0	
D	125572	B	A	UNIVERSAL BD D	U	MOT	MR62	GSE	33				0	
D	125626	B	A	UNIVERSAL BD F	U	MOT	MR62	GSE	33				0	
D	125628	B	A	GROUND AMPLIFIER	U	MOT	MR62	GSE	33				0	
	220539	A		NUT PLAIN CAP	U	MOT	MR62	GSE	33				0	
	220547	A		NUT PLAIN CLINCH	U	MOT	MR62	GSE	33				0	
	220628	A		NUT PLAIN PHASE DET	U	MOT	MR62	GSE	33				0	
	222846	A		NUT HEX PLAIN X	U	MOT	MR62	GSE	33				0	
	223228	A		NUT CLINCH R ANGLE	U	MOT	MR62	GSE	33				0	
	322786	A		SCREW TUNED CAVITY	U	MOT	MR62	GSE	33				0	
	322793	A		SCREW CONTACT	U	MOT	MR62	GSE	33				0	
	322795	A		SCREW PLATE CAVITY	U	MOT	MR62	GSE	33				0	
	322845	A		SCREW TUNER CAVITY	U	MOT	MR62	GSE	33				0	

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							REVISION	THIRD REV.		NO.	YY			
	720572	A		BRACE SIDE RH OSC	U	MOT	MR62	GSE	33			0		
	720573	A		BRKT PW SLIDE LH	U	MOT	MR62	GSE	33			0		
	720575	A		BRKT LWR CHASSIS SUP	U	MOT	MR62	GSE	33			0		
	720578	A		BRACE SIDE LH OSC	U	MOT	MR62	GSE	33			0		
	720583	A		BRACKET BATTERY	U	MOT	MR62	GSE	33			0		
	720596	A		GUSSET CHASS XPONDER	U	MOT	MR62	GSE	33			0		
	720597	A		BRACKET TRANSFORM MT	U	MOT	MR62	GSE	33			0		
	720598	A		SUPPORT BOLOMETER	U	MOT	MR62	GSE	33			0		
	720599	A		SUPPORT DIRECT COUPL	U	MOT	MR62	GSE	33			0		
	720610	A		BRACKET POWER CORD	U	MOT	MR62	GSE	33			0		
	720629	A		MOUNT COIL	U	MOT	MR62	GSE	33			0		
	720630	A		BRKT PW SUPPLY VERT	U	MOT	MR62	GSE	33			0		
	720641	A		SUPPORT RF LOAD	U	MOT	MR62	GSE	33			0		
	720643	A		SUPPORT CABLE PWR	U	MOT	MR62	GSE	33			0		
	720645	A		BRACKET CHASSIS	U	MOT	MR62	GSE	33			0		
	720646	A		BRACKET CHASS LH	U	MOT	MR62	GSE	33			0		
	720648	A		SUPPORT CHASS PW MTR	U	MOT	MR62	GSE	33			0		
	720657	A		BRACKET MT DIODE	U	MOT	MR62	GSE	33			0		
	720663	A		SUPPORT ATTENUATOR	U	MOT	MR62	GSE	33			0		
	720666	A		BRKT INSUL STRIP NJE	U	MOT	MR62	GSE	33			0		
	720673	A		BRKT MT TRANSPONDER	U	MOT	MR62	GSE	33			0		
	720676	A		BRKT MT MONITOR LH	U	MOT	MR62	GSE	33			0		
	720677	A		BRKT MT MONITOR RH	U	MOT	MR62	GSE	33			0		
	720680	A		BRKT MT TRANSPONDER	U	MOT	MR62	GSE	33			0		
	722762	A		GUSSET CHASS XPONDER	U	MOT	MR62	GSE	33			0		
	722764	A		SIDE FRAME CHASS	U	MOT	MR62	GSE	33			0		
	722765	A		SIDE FRAME CHASS	U	MOT	MR62	GSE	33			0		
	722766	A		SUPPORT PLATE CHASS	U	MOT	MR62	GSE	33			0		
	722776	A		BRACKET INSULATING	U	MOT	MR62	GSE	33			0		
	722799	A		SIDE FRAME CHASS	U	MOT	MR62	GSE	33			0		
	722800	A		SUPPORT PLATE CHASS	U	MOT	MR62	GSE	33			0		
	722802	A		SIDE FRAME CHASS	U	MOT	MR62	GSE	33			0		
	722828	A		SUPP FREQ MULT-FRONT	U	MOT	MR62	GSE	33			0		
	722829	A		SUPP FREQ MULT-REAR	U	MOT	MR62	GSE	33			0		
	722840	A		BRKT MOUNT BERT	U	MOT	MR62	GSE	33			0		
	722849	A		SUPPORT VARIABLE	U	MOT	MR62	GSE	33			0		
	722850	A		SUPP FREQ MULTIPLIER	U	MOT	MR62	GSE	33			0		
	722851	A		SUPP FREQ MULTIPLIER	U	MOT	MR62	GSE	33			0		
	722853	A		SUPP DIRECT SUBASSY	U	MOT	MR62	GSE	33			0		
	1020664	A		SOLDER SILVER NICKEL	U	MOT	MR62	GSE	33			0		

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							REVISION	THIRD REV.		NO.	YY			
	1420665	A		INSULATING STRIP	U	MOT	MR62	GSE	33			0		
	1420667	A		SHIELD TERM BOARD	U	MOT	MR62	GSE	33			0		
	1422775	A		INSULATING STRIP	U	MOT	MR62	GSE	33			0		
	1422790	A		INSULATOR BUSHING	U	MOT	MR62	GSE	33			0		
	1422792	A		INSULATOR CONT SCREW	U	MOT	MR62	GSE	33			0		
	1422848	A		INSUL CRYSTAL UNIT	U	MOT	MR62	GSE	33			0		
	1423239	A		INSULATOR DISK-DIODE	U	MOT	MR62	GSE	33			0		
	1423981	A		INSULATOR BUSHING	U	MOT	MR62	GSE	33			0		
	1520524	A		HOLDER CRYSTAL UNIT	U	MOT	MR62	GSE	33			0		
	1520534	A		BOX FILTER	U	MOT	MR62	GSE	33			0		
	1520550	A		COVER ACCESS ELECT	U	MOT	MR62	GSE	33			0		
	1520559	A		COVER OSCILLATOR	U	MOT	MR62	GSE	33			0		
	1520606	A		COVER ACCESS ELECT	U	MOT	MR62	GSE	33			0		
	1520652	A		BOX VCO BIAS	U	MOT	MR62	GSE	33			0		
	1520655	A		COVER ACCESS REF GEN	U	MOT	MR62	GSE	33			0		
	1520661	A		COVER VCO CONTROL	U	MOT	MR62	GSE	33			0		
	1520671	A		COVER SHIELD CIRCUIT	U	MOT	MR62	GSE	33			0		
	1520675	A		COVER SHIELD DISTRI	U	MOT	MR62	GSE	33			0		
	1522741	B	A	POWER SUPP MODIFCTN	U	MOT	MR62	GSE	33			0		
	1522742	B	A	POWER SUPP MOD	U	MOT	MR62	GSE	33			0		
	1522791	A		SHELL DIODE	U	MOT	MR62	GSE	33			0		
	1522804	A		COVER SW SHIELD	U	MOT	MR62	GSE	33			0		
	1522805	A		SHELL CAVITY X7	U	MOT	MR62	GSE	33			0		
	1522847	A		COVER XMITTER SUBASY	U	MOT	MR62	GSE	33			0		
	1522859	A		COVER ELECT CONNECTR	U	MOT	MR62	GSE	33			0		
	1523220	A		COVER ACCESS CONN	U	MOT	MR62	GSE	33			0		
	1523227	A		COVER FREQ SHIFTER	U	MOT	MR62	GSE	33			0		
	1523229	A		COVER FREQ SHIFTER	U	MOT	MR62	GSE	33			0		
	1523230	A		COVER RECEIVER 30MC	U	MOT	MR62	GSE	33			0		
	1523231	A		COVER RECEIVER AM	U	MOT	MR62	GSE	33			0		
	1523233	A		BOX LOOP FILTER	U	MOT	MR62	GSE	33			0		
	1524221	A		BOX FILTER	U	MOT	MR62	GSE	33			0		
	1620527	A		CABINET DUAL	U	MOT	MR62	GSE	33			0		
	1620528	A		DRAWER	U	MOT	MR62	GSE	33			0		
	1620529	A		SHELF SELECTION	U	MOT	MR62	GSE	33			0		
	1622830	A		DOOR CABINET MODIFD	U	MOT	MR62	GSE	33			0		
	2220545	A		PIN GROOVED	U	MOT	MR62	GSE	33			0		
	2620656	A		SHIELD SEMICOND DIOD	U	MOT	MR62	GSE	33			0		
	2620670	A		SHIELD CKT BREAKER	U	MOT	MR62	GSE	33			0		
	2620674	A		SHIELD CKT BREAKER	U	MOT	MR62	GSE	33			0		

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REV	DRAWING NO.	REV NO.	REV	TITLE	REV	CLASS	TERRACE CODE	RELEASE FOR MAJOR ITEM		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS		NEXT ASSEMBLY
								SERIAL	THRU REV.		NO.	TR.			
	2620681	A		SHIELD TERMINAL BD	U	MOT	MR62	GSE	33				0		
	2622761	A		SHIELD TERM BD PW	U	MOT	MR62	GSE	33				0		
	2622774	A		SHIELD SWITCH	U	MOT	MR62	GSE	33				0		
	2720540	A		POWER SUPPLY NJE	U	MOT	MR62	GSE	33				0		
	2720544	A		CHASSIS VCO MULTIPLR	U	MOT	MR62	GSE	33				0		
	2720548	A		CHASS ELEC MIXER	U	MOT	MR62	GSE	33				0		
	2720552	A		POWER SUPPLY C-280M	U	MOT	MR62	GSE	33				0		
	2720556	A		CHASS ELECT EQUIP	U	MOT	MR62	GSE	33				0		
	2720557	A		CHASS RF OSC 14MC	U	MOT	MR62	GSE	33				0		
	2720561	A		CHASS NARROW BAND	U	MOT	MR62	GSE	33				0		
	2720562	A		CHASS REF SIG GEN	U	MOT	MR62	GSE	33				0		
	2720563	A		CHASS 3MC VCO	U	MOT	MR62	GSE	33				0		
	2720571	A		CHASS XMTR	U	MOT	MR62	GSE	33				0		
	2720574	A		CHASS FREQ COUNTER	U	MOT	MR62	GSE	33				0		
	2720581	A		CHASS VCO 33MC	U	MOT	MR62	GSE	33				0		
	2720584	A		CHASS CONN P.F.	U	MOT	MR62	GSE	33				0		
	2720589	A		CHASS VCO CONTROL	U	MOT	MR62	GSE	33				0		
	2720590	A		CHASSIS FREQ CONVERT	U	MOT	MR62	GSE	33				0		
	2720593	A		CHASSIS OSCILLOSCOPE	U	MOT	MR62	GSE	33				0		
	2720594	A		CHASSIS XFORMER	U	MOT	MR62	GSE	33				0		
	2720595	A		CHASS XPONDER	U	MOT	MR62	GSE	33				0		
	2720613	A		CHASS AMPLITUDE DET	U	MOT	MR62	GSE	33				0		
	2720644	A		CHASSIS ELEC EQUIP	U	MOT	MR62	GSE	33				0		
	2720653	A		CHASS 3MC PH DET	U	MOT	MR62	GSE	33				0		
	2722797	A		CHASS FREQ MULT&MOD	U	MOT	MR62	GSE	33				0		
	2722798	A		CHASS XMTR SUBASSY	U	MOT	MR62	GSE	33				0		
	2723982	A		CHASS CONN 3 MCGDET	U	MOT	MR62	GSE	33				0		
	2723983	A		CHASS CONN PHASE DET	U	MOT	MR62	GSE	33				0		
	2723984	A		CHASS CONN AMP DET	U	MOT	MR62	GSE	33				0		
	2723985	A		CHASS CONN 30 MC	U	MOT	MR62	GSE	33				0		
	2723986	A		CHASS CONN REF SIGN	U	MOT	MR62	GSE	33				0		
	2723987	A		CHASS CONN 3 MC VCO	U	MOT	MR62	GSE	33				0		
	2723990	A		CHASS CONN MIXER	U	MOT	MR62	GSE	33				0		
	2724087	A		CHASS ISO AMP D.C.	U	MOT	MR62	GSE	33				0		
	2724087	A		CHASSIS ISO AMP DC	U	MOT	MR62	GSE	33				0		
	2724088	A		CHASS ISO AMP	U	MOT	MR62	GSE	33				0		
	2724088	A		CHASSIS ISO AMP	U	MOT	MR62	GSE	33				0		
	2724089	A		PLATE MTG AMP D.C.	U	MOT	MR62	GSE	33				0		
	2724089	A		PLATE MTG AMP DC	U	MOT	MR62	GSE	33				0		
	2724090	A		PLATE MTG AMP A.C.	U	MOT	MR62	GSE	33				0		

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REV	DRAWING NO.	REV NO.	REV	TITLE	REV	CLASS	VENOR CODE	RELEASE FOR		REV. NO.	DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	3
								MAJOR ITEM	THRU REV.					
	2724090	A		PLATE MTG AMP AC	U	MOT	MR62	GSE	33			0		
	3120649	A		TERMINAL BOARD	U	MOT	MR62	GSE	33			0		
	3120668	A		TERMINAL BD TRANSPON	U	MOT	MR62	GSE	33			0		
	3122854	A		TB LOOP FILTER	U	MOT	MR62	GSE	33			0		
	3122854	A		TB LOOP FILTER UPPER	U	MOT	MR62	GSE	33			0		
	3122855	A		TB LOOP FILTER LOWER	U	MOT	MR62	GSE	33			0		
	3123221	A		TB 30 MC PHASE DET	U	MOT	MR62	GSE	33			0		
	3123222	A		TERMINAL BOARD	U	MOT	MR62	GSE	33			0		
	3123223	A		TB 3 MC PHASE DET	U	MOT	MR62	GSE	33			0		
	3123224	A		TB DIFF AMPL	U	MOT	MR62	GSE	33			0		
	3123989	A		TBAMP DET	U	MOT	MR62	GSE	33			0		
	3422777	A		DIAL CONTROL	U	MOT	MR62	GSE	33			0		
	3820678	A		PLUG RESISTOR RET	U	MOT	MR62	GSE	33			0		
	3922781	A		COND SECTION TUNED	U	MOT	MR62	GSE	33			0		
	3922789	A		CONTACT ELECT CAVITY	U	MOT	MR62	GSE	33			0		
	3922796	A		CONTACT ELECT DIODE	U	MOT	MR62	GSE	33			0		
	3923236	A		CONTACT ELECTRICAL	U	MOT	MR62	GSE	33			0		
	3923237	A		CONTACT ELECTRICAL	U	MOT	MR62	GSE	33			0		
	4220542	A		RETAINER TURNLOCK	U	MOT	MR62	GSE	33			0		
	4220560	A		RETAINER PACKING	U	MOT	MR62	GSE	33			0		
	4222768	A		HOLDER SEMICOND DEV	U	MOT	MR62	GSE	33			0		
	4222856	A		CLAMP LOOP	U	MOT	MR62	GSE	33			0		
	4224098	A		CLAMP CABLE	U	MOT	MR62	GSE	33			0		
	4224098	A		CLAMP CABLE	U	MOT	MR62	GSE	33			0		
	4320551	A		NUT SPACER PLATE	U	MOT	MR62	GSE	33			0		
	4320555	A		SPACER FREQ CONVERTR	U	MOT	MR62	GSE	33			0		
	4320582	A		SPACER BATTERY BRKT	U	MOT	MR62	GSE	33			0		
	4320586	A		SPACER PHASE SHIFTER	U	MOT	MR62	GSE	33			0		
	4320679	A		SPACER PANEL NJE SS	U	MOT	MR62	GSE	33			0		
	4322782	A		ALIGNMENT DEVICE	U	MOT	MR62	GSE	33			0		
	4322788	A		SLEEVE CAVITY	U	MOT	MR62	GSE	33			0		
	4322803	A		SPACER SNAPSLIDE	U	MOT	MR62	GSE	33			0		
	4322857	A		SPACER SLEEVE TERMNL	U	MOT	MR62	GSE	33			0		
	4322858	A		SPACER THREADED TERM	U	MOT	MR62	GSE	33			0		
	4323225	A		SPACER TB	U	MOT	MR62	GSE	33			0		
	4323238	A		SPACER SLEEVE DIODE	U	MOT	MR62	GSE	33			0		
	4520503	A		SLIDE IN CHASS TRAK	U	MOT	MR62	GSE	33			0		
	4620543	A		STUD TURNLOCK FAST	U	MOT	MR62	GSE	33			0		
	4620577	A		STUD TRANSPONDER MT	U	MOT	MR62	GSE	33			0		
	4620604	A		STUD EXT CRYSTAL FIL	U	MOT	MR62	GSE	33			0		

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							REVISION	REVISION				
	4620662	A	BLOCK VARIABLE ATTN	U	MOT	MR62	GSE	33		0		
	4720567	A	ROD CIRCUIT BREAKER	U	MOT	MR62	GSE	33		0		
	4720592	A	BAR SLIDE MOUNT	U	MOT	MR62	GSE	33		0		
	4720600	A	BAR CLAMPING	U	MOT	MR62	GSE	33		0		
	4720639	A	SHAFT SWITCH	U	MOT	MR62	GSE	33		0		
	4722852	A	BAR CLAMPING XMTR	U	MOT	MR62	GSE	33		0		
	4920532	A	RETRACTOR CABLE	U	MOT	MR62	GSE	33		0		
	4922785	A	DISK CAVITY CENTER	U	MOT	MR62	GSE	33		0		
	5424086	A	PANEL CONNECTOR	U	MOT	MR62	GSE	33		0		
	5520530	A	HANDLE LOCK	U	MOT	MR62	GSE	33		0		
	5520531	A	HANDLE LOCK & TRIGR	U	MOT	MR62	GSE	33		0		
	5823980	A	ADAPTER CONNECTOR	U	MOT	MR62	GSE	33		0		
	5920533	A	FAN EXHAUST	U	MOT	MR62	GSE	33		0		
	6224081	A	PANEL FRONT	U	MOT	MR62	GSE	33		0		
J	6322808	A	SCHEM XMITTER TEST	U	MOT	MR62	GSE	33		0		
J	6322809	A	SCHEM FREQ MULT&MOD	U	MOT	MR62	GSE	33		0		
J	6322810	A	SCHEM RECEIVER TEST	U	MOT	MR62	GSE	33		0		
J	6322811	A	SCHEM RADIO RECEIVER	U	MOT	MR62	GSE	33		0		
J	6322812	A	SCHEM 14MC RF OSC	U	MOT	MR62	GSE	33		0		
J	6322813	A	SCHEM OSC RF 33 MC	U	MOT	MR62	GSE	33		0		
J	6322814	A	SCHEM AMPL DET RF	U	MOT	MR62	GSE	33		0		
	6322815	A	SCHEM PHASE DET RF	U	MOT	MR62	GSE	33		0		
	6322816	A	SCHEM AMPL INTMED	U	MOT	MR62	GSE	33		0		
	6322817	A	SCHEM FREQ CONV	U	MOT	MR62	GSE	33		0		
	6322818	A	SCHEM REL CONV	U	MOT	MR62	GSE	33		0		
J	6322819	A	SCHEM COHERENT FREQ	U	MOT	MR62	GSE	33		0		
J	6322820	A	SCHEM OSC RF 3MC VCO	U	MOT	MR62	GSE	33		0		
	6322821	A	SCHEM 33 MC MIXER	U	MOT	MR62	GSE	33		0		
J	6322822	A	SCHEM PH DET 3 MC	U	MOT	MR62	GSE	33		0		
	6322823	A	SCHEM NETWORK PHASE	U	MOT	MR62	GSE	33		0		
J	6322824	A	SCHEM GENERATOR REF	U	MOT	MR62	GSE	33		0		
	6322825	A	SCHEM MONITOR TEST	U	MOT	MR62	GSE	33		0		
J	6322826	A	SCHEM MOUNT XPONDER	U	MOT	MR62	GSE	33		0		
	6322827	A	SCHEM XPONDER MOUNT	U	MOT	MR62	GSE	33		0		
	6323232	A	SCHEM AM MODULATOR	U	MOT	MR62	GSE	33		0		
	6323506	A	SCHEM 30 MC TEST OSC	U	MOT	MR62	GSE	33		0		
	6323585	A	SCHEM-14 MC RF OSC	U	MOT	MR62	GSE	33		0		
	6324103	A	S/C TEST ADAPTER	U	MOT	MR62	GSE	33		0		
	6324104	A	MONITOR SIG INTCON	U	MOT	MR62	GSE	33		0		
	6324105	A	DUAL D.C. AMP 5A1A1	U	MOT	MR62	GSE	33		0		

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							REVISION	REVISION				
	6324106	A	DUAL A.C. AMP 5A1A3	U	MOT	MR62	GSE	33		0		
	6324107	A	R.F. SIGN INTCON 5A2	U	MOT	MR62	GSE	33		0		
	6325457	B	SHAPER SCHEMATIC	U	MOT	MR62	GSE	33		0		
	6325458	B	WORD COUNTER SCHEM	U	MOT	MR62	GSE	33		0		
	6325459	B	MONOSTABLE SCHEMATIC	U	MOT	MR62	GSE	33		0		
	6325487	B	CHOPPER DEM DR SCHEM	U	MOT	MR62	GSE	33		0		
	6325488	B	LIMITER SCHEM	U	MOT	MR62	GSE	33		0		
	6325489	B	CHOPPER DEM SCHEMATIC	U	MOT	MR62	GSE	33		0		
	6325529	B	A J-K-T SCHEM FLIP FLP	U	MOT	MR62	GSE	33		0		
	6325551	B	C MODULATOR LIMIT SCHEM	U	MOT	MR62	GSE	33		0		
	6325552	B	A LIMITER OPUT SCHEM	U	MOT	MR62	GSE	33		0		
	6325553	B	A COMMAND MODULT SCHEM	U	MOT	MR62	GSE	33		0		
	6325554	B	C SUMMING AMPL SCHEM	U	MOT	MR62	GSE	33		0		
	6325555	B	C COMMAND MOD SCHEM	U	MOT	MR62	GSE	33		0		
	6325556	B	C COMMAND MOD SCHEM	U	MOT	MR62	GSE	33		0		
	6325557	B	B SCHEM JK/T FLIP FLOP	U	MOT	MR62	GSE	33		0		
	6325558	B	A MONOSTABLE SCHEM	U	MOT	MR62	GSE	33		0		
	6325559	B	A SCHEM TRL GATE C	U	MOT	MR62	GSE	33		0		
	6325560	B	B SCHEM TRL GATE D	U	MOT	MR62	GSE	33		0		
	6325561	B	B SCHEM POWER DRIVER	U	MOT	MR62	GSE	33		0		
	6325562	B	B SCHEM LAMP DRIVER	U	MOT	MR62	GSE	33		0		
	6325564	B	B SCHEM TRL GATE A	U	MOT	MR62	GSE	33		0		
	6325565	B	B SCHEM TRL GATE B	U	MOT	MR62	GSE	33		0		
	6325566	B	B SCHEM EMIT FOLLOWER	U	MOT	MR62	GSE	33		0		
	6325567	B	B SCHEM EMIT FOLLOWER	U	MOT	MR62	GSE	33		0		
	6325568	B	B SCHEM INVERTER	U	MOT	MR62	GSE	33		0		
	6325569	B	C SCHEM POS LOGIC LEVL	U	MOT	MR62	GSE	33		0		
	6325570	B	C SCHEM NEG LOGIC LEVL	U	MOT	MR62	GSE	33		0		
	6325579	B	A UNIVERSAL BD SCHEM 2	U	MOT	MR62	GSE	33		0		
	6325580	B	A SCHEM LINE AMPL	U	MOT	MR62	GSE	33		0		
	6325589	B	A SCHEM POWER TURN ON	U	MOT	MR62	GSE	33		0		
	6325590	B	A SCHEM SW29&SCOPE	U	MOT	MR62	GSE	33		0		
H	6326594	B	SCHEMATIC CONVERTER	U	MOT	MR62	GSE	33		0		
	6420553	A	PLATE MOUNTING PLAIN	U	MOT	MR62	GSE	33		0		
	6420558	A	PLATE MOUNTING	U	MOT	MR62	GSE	33		0		
	6420560	A	PLATE MOUNT 30 MC	U	MOT	MR62	GSE	33		0		
	6420564	A	PLATE MOUNT IF AMPL	U	MOT	MR62	GSE	33		0		
	6420565	A	PANEL POWER	U	MOT	MR62	GSE	33		0		
	6420568	A	PANEL POWER MONITOR	U	MOT	MR62	GSE	33		0		
	6420570	A	PANEL FRONT XMTR	U	MOT	MR62	GSE	33		0		

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							REVISION	THRU REV.		NO.	YR.			
	6420576	A		PANEL CONNECTOR	U	MOT	MR62	GSE	33			0		
	6420579	A		PLATE MOUNT REF SIGN	U	MOT	MR62	GSE	33			0		
	6420580	A		PLATE MOUNTING 3 MC	U	MOT	MR62	GSE	33			0		
	6420585	A		COVER CONN RF SHIELD	U	MOT	MR62	GSE	33			0		
	6420588	A		PANEL FREQ SHIFTER	U	MOT	MR62	GSE	33			0		
	6420588	A		PANEL COHERENT FREQ	U	MOT	MR62	GSE	33			0		
	6420591	A		PANEL INDICATOR	U	MOT	MR62	GSE	33			0		
	6420601	A		PANEL PW SW XPONDER	U	MOT	MR62	GSE	33			0		
	6420601	A		PANEL PWR DISTRIBUTE	U	MOT	MR62	GSE	33			0		
	6420602	A		PANEL CONNECTOR	U	MOT	MR62	GSE	33			0		
	6420607	A		PLATE MOUNT VCO 33MC	U	MOT	MR62	GSE	33			0		
	6420608	A		PLATE ATTENUATOR MT	U	MOT	MR62	GSE	33			0		
	6420609	A		PANEL FRONT XPONDER	U	MOT	MR62	GSE	33			0		
	6420611	A		PANEL BLANK RECEIVER	U	MOT	MR62	GSE	33			0		
	6420612	A		PLATE MOUNT PLAIN	U	MOT	MR62	GSE	33			0		
	6420614	A		PANEL XPONDER MARK	U	MOT	MR62	GSE	33			0		
	6420617	A		PLATE MOUNT PLAIN	U	MOT	MR62	GSE	33			0		
	6420638	A		PANEL ENGRAVED FREQ	U	MOT	MR62	GSE	33			0		
	6420640	A		PLATE SUPPORT	U	MOT	MR62	GSE	33			0		
	6420642	A		PANEL RECEIVER	U	MOT	MR62	GSE	33			0		
	6420650	A		PLATE MOUNT SWITCH	U	MOT	MR62	GSE	33			0		
	6420651	A		PLATE BOX VCO BIAS	U	MOT	MR62	GSE	33			0		
	6420658	A		PANEL BLANK MONITOR	U	MOT	MR62	GSE	33			0		
	6420659	A		PLATE RET SHAFT	U	MOT	MR62	GSE	33			0		
	6420669	A		PLATE MOUNT FREQ	U	MOT	MR62	GSE	33			0		
	6420672	A		PLATE RETAINING DRAW	U	MOT	MR62	GSE	33			0		
	6420682	A		PANEL IND HP	U	MOT	MR62	GSE	33			0		
	6422760	A		PLATE MOUNT SHIFTER	U	MOT	MR62	GSE	33			0		
	6422784	A		PLATE CAVITY END	U	MOT	MR62	GSE	33			0		
	6422794	A		PLATE CAVITY TOP	U	MOT	MR62	GSE	33			0		
	6422801	A		PLATE CONNECTOR XMTR	U	MOT	MR62	GSE	33			0		
	6422844	A		PLATE FREQ SUBASSY	U	MOT	MR62	GSE	33			0		
	6423226	A		PLATE MOUNT PH DET	U	MOT	MR62	GSE	33			0		
	6423235	A		PLATE MOUNTING AM	U	MOT	MR62	GSE	33			0		
	6423988	A		PLATE MOUNT RECEIVER	U	MOT	MR62	GSE	33			0		
	6424080	A		PANEL RF SIGN	U	MOT	MR62	GSE	33			0		
	6424080	A		PANEL RF SIGN	U	MOT	MR62	GSE	33			0		
	6424082	A		INSULATING BOARD	U	MOT	MR62	GSE	33			0		
	6424082	A		INSULATING BOARD	U	MOT	MR62	GSE	33			0		
	6424084	A		COVER BOX MGC BIAS	U	MOT	MR62	GSE	33			0		

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## DRAWING LIST

REV	DRAWING NO.	REV NO.	REV	TITLE	REV	VENOR CODE	RELEASE FOR		REV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							REVISION	THRU REV.		NO.	YR.			
	6424084	A		COVER BOX MGC BIAS	U	MOT	MR62	GSE	33			0		
	6424086	A		PANEL CONNECTOR	U	MOT	MR62	GSE	33			0		
	6424091	A		BASE MONITOR SIG	U	MOT	MR62	GSE	33			0		
	6424091	A		BASE MONITOR SIGN	U	MOT	MR62	GSE	33			0		
	6424095	A		BASE R.F. SIG	U	MOT	MR62	GSE	33			0		
	6424095	A		BASE RF SIGN	U	MOT	MR62	GSE	33			0		
	6424096	A		PANEL SPACER	U	MOT	MR62	GSE	33			0		
	6424096	A		PANEL SPACER	U	MOT	MR62	GSE	33			0		
	6424097	A		PLATE MTG COAXIAL	U	MOT	MR62	GSE	33			0		
	6424097	A		PLATE MTG COAXIAL	U	MOT	MR62	GSE	33			0		
	6424100	A		PLATE ACCESS	U	MOT	MR62	GSE	33			0		
	6424100	A		PLATE ACCESS	U	MOT	MR62	GSE	33			0		
	6424100	A		PLATE ACCESS	U	MOT	MR62	GSE	33			0		
	6424100	A		PLATE ACCESS	U	MOT	MR62	GSE	33			0		
	6424101	A		PLATE SPACER SW	U	MOT	MR62	GSE	33			0		
	6424101	A		PLATE SPACER SW	U	MOT	MR62	GSE	33			0		
	6424220	A		PLATE FILTER MOUNT	U	MOT	MR62	GSE	33			0		
	6426594	A		890/960 CONVERTER	U	MOT	MR62	GSE	33			0		
J	6922807	A		BLOCK DGM PLD RAD	U	MOT	MR62	GSE	33			0		
H	6925530	B	A	SYN TELEMETRY	U	MOT	MR62	GSE	33			0		
H	6925531	B	A	BIT COMPARATOR LOGIC	U	MOT	MR62	GSE	33			0		
F	6925532	B	A	ADDRESS MONITOR	U	MOT	MR62	GSE	33			0		
F	6925533	B	A	CCGS MONITOR LOGIC	U	MOT	MR62	GSE	33			0		
H	6925534	B	A	TIMER SUBASSY LOGIC	U	MOT	MR62	GSE	33			0		
H	6925535	B	A	WORD GENERATOR LOGIC	U	MOT	MR62	GSE	33			0		
H	6925541	B	C	COMMAND MODULATOR	U	MOT	MR62	GSE	33			0		
D	6925581	B	A	DYNAMICS AMPLIFIER	U	MOT	MR62	GSE	33			0		
D	6925586	B	A	TEST HARNESS CABLES	U	MOT	MR62	GSE	33			0		
	6925587	B	A	ISOLATION AMPL CONN	U	MOT	MR62	GSE	33			0		
	6925588	B	A	ISOLATION AMPL CONN	U	MOT	MR62	GSE	33			0		
D	6925591	B	A	CABLE HARNESS INST	U	MOT	MR62	GSE	33			0		
	7520605	A		CUSHION COVER	U	MOT	MR62	GSE	33			0		
	8422680	B	C	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33			0		
	8422681	B	D	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33			0		
	8422682	B	C	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33			0		
	8422683	B	D	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33			0		
	8422684	B	C	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33			0		
	8422685	B	C	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33			0		
	8422696	B	C	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33			0		
	8422598	B	C	PRINT WIP MONOSABLE	U	MOT	MR62	GSE	33			0		

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## DRAWING LIST

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**E. *Mariner R* 1962 Drawing List:  
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## DRAWING LIST

SIZE	DRAWING NO.	BUSH NO.	CPL. LIT.	TITLE	CPL.	CLASS	VENUE CODE	RELEASE FOR		REF. #	RELEASE DATE	DRAWING STATUS	NEXT ASSEMBLY
								MAJOR	MINOR				
	1298	128		20A1-15 FLEXOWRITER									
	600-066			DCS LOGIC DIAGRAM	U	CCC	MR62	GSE	32			C	
					U	CCC	MR52	GSE	32			C	
C	15004	166		CABLE 20A2 DVM	U	CSC	MR62	GSE	32			C	
E	31186	A		MTG PLATE RADIOMETRIC	U	CSC	MR62	GSE	32			C	
A	189945			HASPBSTAPLE PLATE	U	CSC	MR62	GSE	32			C	
B	311741			BRKT-MTG CONTROL BOX	U	CSC	MR62	GSE	32			C	
D	311742			BRKT-MTG CONTROL BOX	U	CSC	MR62	GSE	32			C	
U	311743			COVER CONTROL BOX	U	CSC	MR62	GSE	32			C	
D	311744			ENCLOSURE CONT BOX	U	CSC	MR62	GSE	32			C	
E	311820			FRAME SUPP RADIOMETRIC	U	CSC	MR62	GSE	32			C	
C	311821			LIFTING JACK	U	CSC	MR62	GSE	32			C	
C	311822			BLOCK SWIVEL CLAMP	U	CSC	MR62	GSE	32			C	
C	311823			BLOCK SWIVEL CLAMP	U	CSC	MR62	GSE	32			C	
B	311824			LOCATING PIN	U	CSC	MR62	GSE	32			C	
B	311826			SCREW SWIVEL CLAMP	U	CSC	MR62	GSE	32			C	
B	311827			SET SCREW SWIVEL	U	CSC	MR62	GSE	32			C	
C	311828			SWIVEL CLAMP GUIDED	U	CSC	MR62	GSE	32			C	
C	311829			SWIVEL CLAMP	U	CSC	MR62	GSE	32			C	
D	311830			FRAME PWR SUPPLY MTG	U	CSC	MR62	GSE	32			C	
D	311831			CHASS PWR SUPPLY MTG	U	CSC	MR62	GSE	32			C	
E	311832			FRAME	U	CSC	MR62	GSE	32			C	
E	311833			ASSY-COLUMN LOCK	U	CSC	MR62	GSE	32			C	
C	311834			MOUNT ON 306 KLYSTRON	U	CSC	MR62	GSE	32			C	
E	311836			MTG PLATE-SYSTEM #1	U	CSC	MR62	GSE	32			C	
C	311838			SUPPORT WAVE GUIDE	U	CSC	MR62	GSE	32			C	
C	311839			MTG BRKT THERMISTOR	U	CSC	MR62	GSE	32			C	
C	311840			MTG BRKT KLYSTRON	U	CSC	MR62	GSE	32			C	
C	311844			MTG BRACKET-FREQUENC	U	CSC	MR62	GSE	32			C	
B	311881			MTG BRKT VARIABLE	U	CSC	MR62	GSE	32			C	
B	311885			CAP-SPRING RETAINER	U	CSC	MR62	GSE	32			C	
B	311902			CLAMP	U	CSC	MR62	GSE	32			C	
B	311931			SUPPORT PWR SUPPLY	U	CSC	MR62	GSE	32			C	
D	312179			SCHEM RADIOMETRIC	U	CSC	MR62	GSE	32			C	
D	312487			SCOPE MOUNT	U	CSC	MR62	GSE	32			C	
C	312578			PLATE DEGREE INDICATOR	U	CSC	MR62	GSE	32			C	
B	312579			VERNIER DEG INDICATOR	U	CSC	MR62	GSE	32			C	

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REV	DRAWING NO.	REV NO.	REV	TITLE	REV	VENOR CODE	RELEASE FOR MAJOR TEST		REV. DIV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							SERIAL	TEST SER.		NO.	TO			
A	312582			ANTENNA VANE ADAPTER	U	CSC	MR62	GSE	32			O		
B	312583			DEGREE PLATE	U	CSC	MR62	GSE	32			O		
B	312584			MTG DEGREE PLATE	U	CSC	MR62	GSE	32			O		
B	312585			VERNIER DEGREE	U	CSC	MR62	GSE	32			O		
B	312617			ADJUSTMENT SCREW	U	CSC	MR62	GSE	32			O		
C	312617			COVER ANTENNA	U	CSC	MR62	GSE	32			O		
C	312617			WINDOW ANT COVER	U	CSC	MR62	GSE	32			O		
C	312618			MTG ADJUST VERNIER	U	CSC	MR62	GSE	32			O		
B	312619			MTG ADJUST VERNIER	U	CSC	MR62	GSE	32			O		
C	312620			CLAMP DEG MTG PLATE	U	CSC	MR62	GSE	32			O		
B	312621			NUT ADJUSTMENT SCREW	U	CSC	MR62	GSE	32			O		
B	312622			GUIDE DEGREE PLATE	U	CSC	MR62	GSE	32			O		
C	312639			COVER KLYSTRON CONN	U	CSC	MR62	GSE	32			O		
U	312646			TOOL BOX	U	CSC	MR62	GSE	32			O		
B	312647			TRAY TOOL BOX	U	CSC	MR62	GSE	32			O		
E	312685			COVER MTG PLATE #1	U	CSC	MR62	GSE	32			O		
E	312686			COVER MTG PLATE #2	U	CSC	MR62	GSE	32			O		
B	312776			PLATE HANDLE MTG	U	CSC	MR62	GSE	32			O		
U	312777			SUPPORT PEDESTAL	U	CSC	MR62	GSE	32			O		
C	312788			BRACKET-LEVER ARM	U	CSC	MR62	GSE	32			O		
C	312878			SPACER PLATE SCOPE	U	CSC	MR62	GSE	32			O		
B	312924			SCREW COVER ANTENNA	U	CSC	MR62	GSE	32			O		
B	312947			STOP COVER ANTENNA	U	CSC	MR62	GSE	32			O		
B	312948			BOTTOM STOP COVER	U	CSC	MR62	GSE	32			O		
B	312962			KNURL SCREW COVER	U	CSC	MR62	GSE	32			O		
B	312963			TOP MTG BRKT COVER	U	CSC	MR62	GSE	32			O		
B	312965			SPACER COVER ANTENNA	U	CSC	MR62	GSE	32			O		
B	312969			PLUGS-WAVE GUIDE	U	CSC	MR62	GSE	32			O		
C	312995			PLATE FRAME MTG	U	CSC	MR62	GSE	32			O		
A	313000			RETAINER CRADLE	U	CSC	MR62	GSE	32			O		
B	313007			WRENCH ANTENNA	U	CSC	MR62	GSE	32			O		
C	118285			CABLE 20A4-3 GENERTR	U	JPL	MR62	GSE	32	03	162	J		
B	118286			RADIOMETER SCAN TEST	U	JPL	MR62	GSE	32	02	162	J		
C	118292			WLMAGNETOMETER EXP	U	JPL	MR62	GSE	32			O		
C	118293			WL CLOCK TO DCS	U	JPL	MR62	GSE	32			O		
C	118294			WL IC PF RAD&CD EXP	U	JPL	MR62	GSE	32			O		

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							SERIAL	TEST SER.		NO.	TO			
B	118295			CABLE 20A4-F	U	JPL	MR62	GSE	32	02	162	J		
B	118296			CABLE 20A4 ABCD MED	U	JPL	MR62	GSE	32	02	162	J		
B	118297			CABLE 20A4-E DIGITAL	U	JPL	MR62	GSE	32	02	162	J		
A	118357			20A0-10 MODIFY CSC	U	JPL	MR62	GSE	32			O		
C	118359			WL POWER SUPPLIES	U	JPL	MR62	GSE	32			O		
C	118360			WL COMMERCIAL INST	U	JPL	MR62	GSE	32			O		
D	118507			CLOCK CABLE SCIENCE	U	JPL	MR62	GSE	32	11	161	J		
J	118508	A		CLOCK&IC COUNTER	U	JPL	MR62	GSE	32	02	162	J		
D	118550			GSE TO EXPERIMENTS	U	JPL	MR62	GSE	32	02	162	J		
D	118551	D		CABLING 20A21&20A22	U	JPL	MR62	GSE	32	11	161	J		
D	118552			20A23 20A24 20A25 C	U	JPL	MR62	GSE	32	11	161	J		
D	118553	C		20A24 TO 20A6-P1	U	JPL	MR62	GSE	32	12	161	J		
D	118554	A		20A22 TO 20A6 P2	U	JPL	MR62	GSE	32	12	161	J		
D	118555	A		20A21 TO 20A6 P3	U	JPL	MR62	GSE	32	12	161	J		
D	118556	A		20A6 P4 TO 20A0 P1	U	JPL	MR62	GSE	32	12	161	J		
D	118557	A		20A6 P5 TO 20A0 P2	U	JPL	MR62	GSE	32	12	161	J		
U	118559			20A0-3 MECHANICAL LO	U	JPL	MR62	GSE	32	01	162	J		
U	118560	A		20A0-4 MECHANICAL LO	U	JPL	MR62	GSE	32	03	162	J		
B	118561			20A0-5 MECHANICAL LO	U	JPL	MR62	GSE	32	01	162	J		
C	118562			CLOCK PULSE GENERATR	U	JPL	MR62	GSE	32	01	162	J		
U	118563			SCHEM DIGITAL SCAN	U	JPL	MR62	GSE	32	01	162	J		
C	118564			SCHEM 11 VOLT	U	JPL	MR62	GSE	32	01	162	J		
D	118566			20A1-2 MECHAN LO	U	JPL	MR62	GSE	32	05	162	J		
C	118567			20A0-2 MECHANICAL LO	U	JPL	MR62	GSE	32			O		
U	118568			SCHEM S/C PWR CONTRL	U	JPL	MR62	GSE	32	01	162	J		
U	118569	A		SCHEMATIC SOL PLASMA	U	JPL	MR62	GSE	32	02	162	J		
U	118570			SCHEM SWITCH SUBASSY	U	JPL	MR62	GSE	32	01	162	J		
C	118573			20A0-2 SCHEM PWR SW	U	JPL	MR62	GSE	32	05	162	J		
D	118575			MED COUNTERS	U	JPL	MR62	GSE	32	01	162	J		
C	118719			20A23 TO 20A6 P6	U	JPL	MR62	GSE	32	01	162	J		
U	118725	C		INTERCONN HARNESS	U	JPL	MR62	GSE	32	01	162	J		
U	118728			20A6 MECHANICAL LO	U	JPL	MR62	GSE	32	01	162	J		
U	118729			GSE ISOLATION BOX	U	JPL	MR62	GSE	32			O		
U	118730			CABLE CLOCK DCS	U	JPL	MR62	GSE	32	04	162	J		
A	118769			20A6P1 FLOW SHEET	U	JPL	MR62	GSE	32	12	161	J		
A	118770			20A6-P2 FLOW SHEET	U	JPL	MR62	GSE	32	12	161	J		
A	118771			20A6 P3 FLOW SHEET	U	JPL	MR62	GSE	32	12	161	J		
A	118772			20A6 P6 FLOW SHEET	U	JPL	MR62	GSE	32	12	161	J		
A	118773			20A6 P4 FLOW SHEET	U	JPL	MR62	GSE	32	12	161	J		
A	118774			20A6 P5 FLOW SHEET	U	JPL	MR62	GSE	32	12	161	J		

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A	DRAWING NO.	PART NO.	REV	TITLE	C	U	VENDOR	RELEASE TIME	REV	DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	C
								REV	TIME	DATE			
J	118775			20A6 PT FLOW SHEET	U	JPL	MR62	GSE	32	12	61	J	
J	118780	B		20A6 ISOLATION SCHEM	U	JPL	MR62	GSE	32	03	62	J	
C	118781	A		20A6 CKT BD1	U	JPL	MR62	GSE	32	03	62	J	
C	118782	B		20A6 C62	U	JPL	MR62	GSE	32	03	62	J	
J	118786	C		20A6-12 SCHEMATIC	U	JPL	MR62	GSE	32	05	62	J	
C	118787			CABLING THRU 20A6	U	JPL	MR62	GSE	32	01	62	J	
B	118823	A		20A1-2 WIRING DGM	U	JPL	MR62	GSE	32	05	62	J	
C	118824	A		20A0-2 WIRING DGM	U	JPL	MR62	GSE	32	05	62	J	
C	118825	A		20A0-3 WIRING DGM	U	JPL	MR62	GSE	32	05	62	J	
B	118826	A		20A0-5 WIRING DGM	U	JPL	MR62	GSE	32	05	62	J	
C	118830			20A1-12 SCHEM PWR	U	JPL	MR62	GSE	32	01	62	J	
C	118831			SCHEM PWR SUPPLY	U	JPL	MR62	GSE	32	01	62	J	
U	118835			SUBCHASSIS SW SUBASSY	U	JPL	MR62	GSE	32	01	62	J	118840
U	118836			SUBCHASSIS CUR INJECT	U	JPL	MR62	GSE	32	01	62	J	118842
D	118837			COVER CURRENT INJECT	U	JPL	MR62	GSE	32	01	62	J	118842
C	118838			GASKET CUR INJECTION	U	JPL	MR62	GSE	32	01	62	J	118842
C	118839			BRACKET SW SUBASSY	U	JPL	MR62	GSE	32	01	62	J	118840
J	118840			SWITCH SUBASSY	U	JPL	MR62	GSE	32	01	62	J	118842
J	118841			PROBE ASSY	U	JPL	MR62	GSE	32	01	62	J	118842
J	118842			CURRENT INJECTION	U	JPL	MR62	GSE	32	01	62	J	
C	118843			RETAINER	U	JPL	MR62	GSE	32	01	62	J	118842
D	118844			SKETCH PATCH PNL LO	U	JPL	MR62	GSE	32	02	62	J	
C	118845	A		BRACKET	U	JPL	MR62	GSE	32	02	62	J	
C	118847			20A0 59 CABLE	U	JPL	MR62	GSE	32	01	62	J	
C	118848			20A1-50 FLEXOWRITER	U	JPL	MR62	GSE	32	01	62	J	
C	118893	A		20A1-5 WIRING DGM	U	JPL	MR62	GSE	32	05	62	J	
C	118894	A		20A0-16 20A1-16 CABLE	U	JPL	MR62	GSE	32	05	62	J	
B	118895			DCS ANALOG VOLTAGE	U	JPL	MR62	GSE	32	05	62	J	
C	118896	A		20A1-C1 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118897	A		20A1-C2 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118898			20A1 C3 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118899			20A1 C4 CABLE	U	JPL	MR62	GSE	32	01	62	J	
C	118900			20A1 C5 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118901			20A1 C6 CABLE	U	JPL	MR62	GSE	32	01	62	J	
C	118902			20A1 C7 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118903			20A0 C1 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118904	A		20A0 C2 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118905			20A0 C3 CABLE	U	JPL	MR62	GSE	32	02	62	J	
C	118906			20A0 C4 CABLE	U	JPL	MR62	GSE	32	01	62	J	
C	118907			20A0 C5 PLUG B CABLE	U	JPL	MR62	GSE	32	02	62	J	

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SIZE	DRAWING NO.	DATE	REV	TITLE	REV	RECORD	RELEASE FOR MAJOR ITEM	REV	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	
							SERIAL	REV				
C	118908		A	20A0 C5 PLUG & CABLE	U	JPL	MR62	GSE	32	02	62	J
C	118909			20A0 C6 PLUG & CABLE	U	JPL	MR62	GSE	32	02	62	J
C	118910			20A0 C6 PLUG & CABLE	U	JPL	MR62	GSE	32	02	62	J
C	118911			20A1 C8 CABLE	U	JPL	MR62	GSE	32	03	62	J
C	118912			20A1-C9 CABLE	U	JPL	MR62	GSE	32			J
C	118913		A	20A1 C10 CABLE	U	JPL	MR62	GSE	32	03	62	J
B	118915			SCHEM SOL PLASMA	U	JPL	MR62	GSE	32	01	62	J
C	118925		C	DCS	U	JPL	MR62	GSE	32	05	62	J
C	118954			WL POWER SW EXP	U	JPL	MR62	GSE	32			O
C	118955			WL SOLAR PLASMA EXP	U	JPL	MR62	GSE	32			O
C	118962			20A0-15 MECHAN CONN	U	JPL	MR62	GSE	32	02	62	J
C	118963			20A1-14 MECHAN CONN	U	JPL	MR62	GSE	32	02	62	J
A	118964		A	20A1-7 VISICORDER	U	JPL	MR62	GSE	32	05	62	J
D	118965			SCIENTIFIC RACK LO	U	JPL	MR62	GSE	32	02	62	J
D	118966			CABLE 20A3-4	U	JPL	MR62	GSE	32	03	62	J
C	118967			CABLE 20A3-1 MAGNET	U	JPL	MR62	GSE	32	03	62	J
C	118968			CABLE 20A3-4 PWR CON	U	JPL	MR62	GSE	32	03	62	J
C	118998		C	20A1-13 WIRE LIST TB	U	JPL	MR62	GSE	32	03	62	J
B	121040			SCHEM 100TF BINARY	U	JPL	MR62	GSE	32			O
D	121306			20A0-9 WIRING DGM	U	JPL	MR62	GSE	32	03	62	J
D	121307			20A0-9 BACK PNL SDT	U	JPL	MR62	GSE	32	03	62	J
J	121321			CSC 2.4 KC PWR SUPP	U	JPL	MR62	GSE	32	04	62	J
J	121321			20A0-10 CSC 2400 CPS	U	JPL	MR62	GSE	32	04	62	J
C	121352		B	20A1-3 WIRING SYS	U	JPL	MR62	GSE	32	05	62	J
B	121795			SCHEM 100TF LAMP	U	JPL	MR62	GSE	32			O
B	121796			SCHEM 100TF6105T	U	JPL	MR62	GSE	32			O
B	8800036			20A0-12 MECHAN TRACK	U	JPL	MR62	GSE	32	02	62	J
C	8800038			20A0-14 MECHAN INSUL	U	JPL	MR62	GSE	32	02	62	J
J	8800039			20A0-12 CHASS LOGIC	U	JPL	MR62	GSE	32	02	62	J
D	8800040			20A0-12 WIRING BD1	U	JPL	MR62	GSE	32	02	62	J
A	8800040	PL		20A0-12 BD1	U	JPL	MR62	GSE	32	02	62	J
D	8800041		A	20A0-12 WIRING BD2	U	JPL	MR62	GSE	32	04	62	J
A	8800041	PL		20A0-12 BD2	U	JPL	MR62	GSE	32	02	62	J
D	8800042			20A0-12 WIRING BD3	U	JPL	MR62	GSE	32	02	62	J
A	8800042	PL		20A0-12 BD3	U	JPL	MR62	GSE	32	02	62	J
D	8800043			20A0-12 WIRING BD4	U	JPL	MR62	GSE	32	02	62	J
A	8800043	PL		20A0-12 BD4	U	JPL	MR62	GSE	32	02	62	J
D	8800044			20A0-12 WIRING BD5	U	JPL	MR62	GSE	32	02	62	J
A	8800044	PL		20A0-12 BD5	U	JPL	MR62	GSE	32	02	62	J
D	8800045			20A0-12 M CHNCL LO	U	JPL	MR62	GSE	32	02	62	J

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								REVISION	THRU REV.					
D	8800046			20A0-12 MECHAN COVER	U	JPL	MR62	GSE	32	02	62	J		
B	8800047			20A0-14 MECHAN HEAT	U	JPL	MR62	GSE	32	02	62	J		
C	8800057		B	TTY/FLEX CONVERSION	U	JPL	MR62	GSE	32	05	62	J		
C	8800059		A	20A1-15 SCHEM RELAY	U	JPL	MR62	GSE	32	05	62	J		
C	8800060			20A1-15 MECHAN BRKT	U	JPL	MR62	GSE	32	02	62	J		
D	8800061			TTY CONVERS TERMAL	U	JPL	MR62	GSE	32	02	62	J		
D	8800062			TTY CONVERS CIR DGM	U	JPL	MR62	GSE	32	02	62	J		
D	8800063			20A1-9A SPECIAL MOD	U	JPL	MR62	GSE	32	02	62	J		
B	8800070		A	BASIC SUB-FRAME	U	JPL	MR62	GSE	32	05	62	J		
D	8800080			20A0-12 WIRING BD2	U	JPL	MR62	GSE	32	03	62	J		
C	8800082			20A0-4 BRACKET CYCL	U	JPL	MR62	GSE	32	03	62	J		
C	8800083			20A0-4 ASSY CYCLIC	U	JPL	MR62	GSE	32	03	62	J		
B	8800084		B	20A0-4 SCHEMATIC	U	JPL	MR62	GSE	32	05	62	J		
U	8800085		A	20A0-4 CB CYCLIC CAL	U	JPL	MR62	GSE	32	03	62	J		
J	8800094			SCHEM RADIOMTR MOTOR	U	JPL	MR62	GSE	32	03	62	J		
C	8800095			RADIOMETER BLOCK DGM	U	JPL	MR62	GSE	32	03	62	J		
D	8800096			LO FRONT PNL RADMTR	U	JPL	MR62	GSE	32	03	62	J		
D	8800097		A	INPUT ONE SHOT CIRCT	U	JPL	MR62	GSE	32	04	62	J		
C	8800098		A	INPUT ONE SHOT SCHEM	U	JPL	MR62	GSE	32	04	62	J		
U	8800099			LOGIC DGM DIGITAL	U	JPL	MR62	GSE	32	03	62	J		
D	8800101			CONNECTOR PANEL	U	JPL	MR62	GSE	32	05	62	J		
U	8800102		A	PANEL A MODIFIED	U	JPL	MR62	GSE	32	05	62	J		
D	8800103			PANEL B MODIFIED	U	JPL	MR62	GSE	32	05	62	J		
D	8800104			PANEL C MODIFIED	U	JPL	MR62	GSE	32	05	62	J		
D	8800105			INTERPANEL MODIFIED	U	JPL	MR62	GSE	32	05	62	J		
U	8800106			20A1-3 MECHAN SYS SW	U	JPL	MR62	GSE	32	03	62	J		
D	8800107			20A1-5 MECHAN LO	U	JPL	MR62	GSE	32	03	62	J		
U	8800108			20A0-9 FRONT PNL SDT	U	JPL	MR62	GSE	32	03	62	J		
C	8800109		A	20A0-4 WIRING DGM	U	JPL	MR62	GSE	32	05	62	J		
C	8800111			20A1-9 MODULE SCHEM	U	JPL	MR62	GSE	32	04	62	J		
C	8800112			DEC 4111	U	JPL	MR62	GSE	32	04	62	J		
C	8800113			DEC 4301	U	JPL	MR62	GSE	32	04	62	J		
C	8800114			DEC 4113	U	JPL	MR62	GSE	32	04	62	J		
C	8800115			DEC 4215	U	JPL	MR62	GSE	32	04	62	J		
C	8800116			DEC 4213	U	JPL	MR62	GSE	32	05	62	J		
C	8800117			DEC 1682	U	JPL	MR62	GSE	32	05	62	J		
U	8800118			DEC 4410	U	JPL	MR62	GSE	32	05	62	J		
C	8800119			DEC 4209	U	JPL	MR62	GSE	32	05	62	J		
C	8800126			20A1-13 SUBASSY TB	U	JPL	MR62	GSE	32	04	62	J		
U	8800129			SCHEM 20A25 XFORMER	U	JPL	MR62	GSE	32	04	62	J		

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REV	DRAWING NO.	DATE	BY	TITLE	U	C	VENDOR CODE	RELEASE FOR		REV.	DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	S
								REVISION	THRU REV.					
C	8800134			INTERNAL OSCIL SCHEM	U	JPL	MR62	GSE	32	05	62	J		
D	8800135			INTERNAL OSCIL CIRCT	U	JPL	MR62	GSE	32	05	62	J		
D	8800136			20A1-9A WIR DGM	U	JPL	MR62	GSE	32	05	62	J		
D	8800137			MODIFIED FRONT PNL	U	JPL	MR62	GSE	32	05	62	J		
U	8800156		A	MODIFIED SDT READOUT	U	JPL	MR62	GSE	32	05	62	J		
D	8800157			20A1-9A FLOW DGM	U	JPL	MR62	GSE	32	05	62	J		
D	8800158			DATA INPUTS	U	JPL	MR62	GSE	32	05	62	J		
U	8800159			INPUT&OUTPUT REGISTR	U	JPL	MR62	GSE	32	05	62	J		
D	8800160			BIT&WORD/SUBFRAME	U	JPL	MR62	GSE	32	05	62	J		
U	8800161			ACCUMUL/TIME/FUNCTIN	U	JPL	MR62	GSE	32	05	62	J		
D	8800162			NUMERIC READOUT	U	JPL	MR62	GSE	32	05	62	J		
U	8800163			TTY CONVERTER&DRIVER	U	JPL	MR62	GSE	32	05	62	J		
D	8800164			20A1-9A SCIDATA TRAN	U	JPL	MR62	GSE	32	06	62	J		
	SP30030	-2		IDENTIFICATION PLATE	U	ML	MR62	GSE	32			O		
	SP30081	-1		INDUCTOR SPECIFICATN	U	ML	MR62	GSE	32			O		
	SP30081			INDUCTOR SPECIFICATN	U	ML	MR62	GSE	32			O		
	SP30081	-1		INDUCTOR SPECIFICATN	U	ML	MR62	GSE	32			O		
	SP30083			METER MARKING CALIBR	U	ML	MR62	GSE	32			O		
	SP30084			METER MARKING SCALE	U	ML	MR62	GSE	32			O		
	SP30085			METER MARKING DATA	U	ML	MR62	GSE	32			O		
	30086			METER MARKING TEMP	U	ML	MR62	GSE	32			O		
	540065			TEST PROCEDURE CONT	U	ML	MR62	GSE	32			O		
	50272	101		MAGNETMTR CONT UNIT	U	ML	MR62	GSE	32			O		
	50273			SCHEM MAGNETMTR CONT	U	ML	MR62	GSE	32			O		
	50290	101		BOARD ASSY CALIBRATE	U	ML	MR62	GSE	32			O		
	50291	101		BOARD CALIBRATE	U	ML	MR62	GSE	32			O		
	50292			CIRCUIT MASTER	U	ML	MR62	GSE	32			O		
	50293			BOARD ASSY FIELD GEN	U	ML	MR62	GSE	32			O		
	50293	101		BOARD ASSY FIELD GEN	U	ML	MR62	GSE	32			O		
	50294			BOARD FIELD GENERATR	U	ML	MR62	GSE	32			O		
	50295			CIRCUIT MASTER GERTR	U	ML	MR62	GSE	32			O		
	50295	102		BOARD ASSY	U	ML	MR62	GSE	32			O		
	50300			WIRING MAGNETMTR	U	ML	MR62	GSE	32			O		
	50301			FRONT PANEL&CHASS	U	ML	MR62	GSE	32			O		

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							SERIAL	THRU SER.		MO.	YR.			
D	125454	B	A	PC CB WORD COUNTER	U	MOT	MR62	GSE	33			O		
D	125455	B	A	PC CB LIMITER	U	MOT	MR62	GSE	33			O		
D	125456	B	B	PC CB CHOP DEMODULTR	U	MOT	MR62	GSE	33			O		
D	125481	B	A	UNIVERSAL BD A	U	MOT	MR62	GSE	33			O		
D	125482	B	A	UNIVERSAL BD B	U	MOT	MR62	GSE	33			O		
D	125483	B	A	PC CB CHOP DEMOD DR	U	MOT	MR62	GSE	33			O		
D	125484	B	A	PC CB SHAPER ASSY	U	MOT	MR62	GSE	33			O		
D	125485	B	A	PC CB MONOSTABLE	U	MOT	MR62	GSE	33			O		
D	125518	B	A	SUMMING AMPLIFIER	U	MOT	MR62	GSE	33			O		
D	125571	B	A	UNIVERSAL BD C	U	MOT	MR62	GSE	33			O		
D	125572	B	A	UNIVERSAL BD D	U	MOT	MR62	GSE	33			O		
D	125626	B	A	UNIVERSAL BD F	U	MOT	MR62	GSE	33			O		
D	125628	B	A	GROUND AMPLIFIER	U	MOT	MR62	GSE	33			O		
	220539	A		NUT PLAIN CAP	U	MOT	MR62	GSE	33			O		
	220547	A		NUT PLAIN CLINCH	U	MOT	MR62	GSE	33			O		
	220628	A		NUT PLAIN PHASE DET	U	MOT	MR62	GSE	33			O		
	222846	A		NUT HEX PLAIN X	U	MOT	MR62	GSE	33			O		
	223228	A		NUT CLINCH R ANGLE	U	MOT	MR62	GSE	33			O		
	322786	A		SCREW TUNED CAVITY	U	MOT	MR62	GSE	33			O		
	322793	A		SCREW CONTACT	U	MOT	MR62	GSE	33			O		
	322795	A		SCREW PLATE CAVITY	U	MOT	MR62	GSE	33			O		
	322845	A		SCREW TUNER CAVITY	U	MOT	MR62	GSE	33			O		
	720572	A		BRACE SIDE RH OSC	U	MOT	MR62	GSE	33			O		
	720573	A		BRKT PW SLIDE LH	U	MOT	MR62	GSE	33			O		
	720575	A		BRKT LWR CHASSIS SUP	U	MOT	MR62	GSE	33			O		
	720578	A		BRACE SIDE LH OSC	U	MOT	MR62	GSE	33			O		
	720583	A		BRACKET BATTERY	U	MOT	MR62	GSE	33			O		
	720596	A		GUSSET CHASS XPONDER	U	MOT	MR62	GSE	33			O		
	720597	A		BRACKET TRANSFORM MT	U	MOT	MR62	GSE	33			O		
	720598	A		SUPPORT ROLOMETER	U	MOT	MR62	GSE	33			O		
	720599	A		SUPPORT DIRECT COUPL	U	MOT	MR62	GSE	33			O		
	720610	A		BRACKET POWER CORD	U	MOT	MR62	GSE	33			O		
	720629	A		MOUNT COIL	U	MOT	MR62	GSE	33			O		
	720630	A		BRKT PW SUPPLY VERT	U	MOT	MR62	GSE	33			O		
	720641	A		SUPPORT RF LOAD	U	MOT	MR62	GSE	33			O		
	720643	A		SUPPORT CABLE PWR	U	MOT	MR62	GSE	33			O		
	720645	A		BRACKET CHASSIS	U	MOT	MR62	GSE	33			O		
	720646	A		BRACKET CHASS LH	U	MOT	MR62	GSE	33			O		
	720648	A		SUPPORT CHASS PW MTR	U	MOT	MR62	GSE	33			O		
	720657	A		BRACKET MT DIODE	U	MOT	MR62	GSE	33			O		

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							SERIAL	THRU SER.		MO.	YR.			
	720663	A		SUPPORT ATTENUATOR	U	MOT	MR62	GSE	33			O		
	720666	A		BRKT INSUL STRIP NJE	U	MOT	MR62	GSE	33			O		
	720673	A		BRKT MT TRANSPONDER	U	MOT	MR62	GSE	33			O		
	720676	A		BRKT MT MONITOR LH	U	MOT	MR62	GSE	33			O		
	720677	A		BRKT MT MONITOR RH	U	MOT	MR62	GSE	33			O		
	720680	A		BRKT MT TRANSPONDER	U	MOT	MR62	GSE	33			O		
	722762	A		GUSSET CHASS XPONDER	U	MOT	MR62	GSE	33			O		
	722764	A		SIDE FRAME CHASS	U	MOT	MR62	GSE	33			O		
	722765	A		SIDE FRAME CHASS	U	MOT	MR62	GSE	33			O		
	722766	A		SUPPORT PLATE CHASS	U	MOT	MR62	GSE	33			O		
	722776	A		BRACKET INSULATING	U	MOT	MR62	GSE	33			O		
	722799	A		SIDE FRAME CHASS	U	MOT	MR62	GSE	33			O		
	722800	A		SUPPORT PLATE CHASS	U	MOT	MR62	GSE	33			O		
	722802	A		SIDE FRAME CHASS	U	MOT	MR62	GSE	33			O		
	722828	A		SUPP FREQ MULT-FRONT	U	MOT	MR62	GSE	33			O		
	722829	A		SUPP FREQ MULT-REAR	U	MOT	MR62	GSE	33			O		
	722840	A		BRKT MOUNT BERT	U	MOT	MR62	GSE	33			O		
	722849	A		SUPPORT VARIABLE	U	MOT	MR62	GSE	33			O		
	722850	A		SUPP FREQ MULTIPLIER	U	MOT	MR62	GSE	33			O		
	722851	A		SUPP FREQ MULTIPLIER	U	MOT	MR62	GSE	33			O		
	722853	A		SUPP DIRECT SUBASSY	U	MOT	MR62	GSE	33			O		
	1020664	A		SOLDER SILVER NICKEL	U	MOT	MR62	GSE	33			O		
	1420665	A		INSULATING STRIP	U	MOT	MR62	GSE	33			O		
	1420667	A		SHIELD TERM BOARD	U	MOT	MR62	GSE	33			O		
	1422775	A		INSULATING STRIP	U	MOT	MR62	GSE	33			O		
	1422790	A		INSULATOR BUSHING	U	MOT	MR62	GSE	33			O		
	1422792	A		INSULATOR CONT SCREW	U	MOT	MR62	GSE	33			O		
	1422848	A		INSUL CRYSTAL UNIT	U	MOT	MR62	GSE	33			O		
	1423239	A		INSULATOR DISK-DIODE	U	MOT	MR62	GSE	33			O		
	1423981	A		INSULATOR BUSHING	U	MOT	MR62	GSE	33			O		
	1520524	A		HOLDER CRYSTAL UNIT	U	MOT	MR62	GSE	33			O		
	1520534	A		BOX FILTER	U	MOT	MR62	GSE	33			O		
	1520550	A		COVER ACCESS ELECT	U	MOT	MR62	GSE	33			O		
	1520559	A		COVER OSCILLATOR	U	MOT	MR62	GSE	33			O		
	1520606	A		COVER ACCESS ELECT	U	MOT	MR62	GSE	33			O		
	1520652	A		BOX VCO BIAS	U	MOT	MR62	GSE	33			O		
	1520655	A		COVER ACCESS REF GEN	U	MOT	MR62	GSE	33			O		
	1520661	A		COVER VCO CONTROL	U	MOT	MR62	GSE	33			O		
	1520671	A		COVER SHIELD CIRCUIT	U	MOT	MR62	GSE	33			O		
	1520675	A		COVER SHIELD DISTRI	U	MOT	MR62	GSE	33			O		

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FILE	DRAWING NO.	REV. NO.	CLASS	TITLE	CNS	CLASS	NUMBER CODE	RELEASE FOR		REPL. BY	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	1 2 3 4
								SERIAL	THRU SER.		NO.	YR.			
	1522741	B	A	POWER SUPP MODIFICTN	U	MOT	MR62	GSE	33				O		
	1522742	B	A	POWER SUPP MOD	U	MOT	MR62	GSE	33				O		
	1522791	A		SHELL DIODE	U	MOT	MR62	GSE	33				O		
	1522804	A		COVER SW SHIELD	U	MOT	MR62	GSE	33				O		
	1522805	A		SHELL CAVITY X7	U	MOT	MR62	GSE	33				O		
	1522847	A		COVER XMITTER SUBASY	U	MOT	MR62	GSE	33				O		
	1522859	A		COVER ELECT CONNECTR	U	MOT	MR62	GSE	33				O		
	1523220	A		COVER ACCESS CONN	U	MOT	MR62	GSE	33				O		
	1523227	A		COVER FREQ SHIFTER	U	MOT	MR62	GSE	33				O		
	1523229	A		COVER FREQ SHIFTER	U	MOT	MR62	GSE	33				O		
	1523230	A		COVER RECEIVER 30MC	U	MOT	MR62	GSE	33				O		
	1523231	A		COVER RECEIVER AM	U	MOT	MR62	GSE	33				O		
	1523233	A		BOX LOOP FILTER	U	MOT	MR62	GSE	33				O		
	1524221	A		BOX FILTER	U	MOT	MR62	GSE	33				O		
	1620527	A		CABINET DUAL	U	MOT	MR62	GSE	33				O		
	1620528	A		DRAWER	U	MOT	MR62	GSE	33				O		
	1620529	A		SHELF SELECTION	U	MOT	MR62	GSE	33				O		
	1622830	A		DOOR CABINET MODIFD	U	MOT	MR62	GSE	33				O		
	2220545	A		PIN GROOVED	U	MOT	MR62	GSE	33				O		
	2620656	A		SHIELD SEMICOND DIOD	U	MOT	MR62	GSE	33				O		
	2620670	A		SHIELD CKT BREAKER	U	MOT	MR62	GSE	33				O		
	2620674	A		SHIELD CKT BREAKER	U	MOT	MR62	GSE	33				O		
	2620681	A		SHIELD TERMINAL BD	U	MOT	MR62	GSE	33				O		
	2622761	A		SHIELD TERM BD PW	U	MOT	MR62	GSE	33				O		
	2622774	A		SHIELD SWITCH	U	MOT	MR62	GSE	33				O		
	2720540	A		POWER SUPPLY NJE	U	MOT	MR62	GSE	33				O		
	2720544	A		CHASSIS VCO MULTIPLR	U	MOT	MR62	GSE	33				O		
	2720548	A		CHASS ELEC MIXER	U	MOT	MR62	GSE	33				O		
	2720552	A		POWER SUPPLY C-280M	U	MOT	MR62	GSE	33				O		
	2720556	A		CHASS ELEC EQUIP	U	MOT	MR62	GSE	33				O		
	2720557	A		CHASS RF OSC 14MC	U	MOT	MR62	GSE	33				O		
	2720561	A		CHASS NARROW BAND	U	MOT	MR62	GSE	33				O		
	2720562	A		CHASS REF SIG GEN	U	MOT	MR62	GSE	33				O		
	2720563	A		CHASS 3MC VCO	U	MOT	MR62	GSE	33				O		
	2720571	A		CHASS XMTR	U	MOT	MR62	GSE	33				O		
	2720574	A		CHASS FREQ COUNTER	U	MOT	MR62	GSE	33				O		
	2720581	A		CHASS VCO 33MC	U	MOT	MR62	GSE	33				O		
	2720584	A		CHASS CONN R.F.	U	MOT	MR62	GSE	33				O		
	2720589	A		CHASS VCO CONTROL	U	MOT	MR62	GSE	33				O		
	2720590	A		CHASSIS FREQ CONCEPT	U	MOT	MR62	GSE	33				O		

\* DENOTES CHANGE TO PREVIOUS LIST

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								SERIAL	THRU SER.		NO.	YR.			
	2720593	A		CHASSIS OSCILLOSCOPE	U	MOT	MR62	GSE	33				O		
	2720594	A		CHASSIS XFORMER	U	MOT	MR62	GSE	33				O		
	2720595	A		CHASS XFONDER	U	MOT	MR62	GSE	33				O		
	2720613	A		CHASS AMPLITUDE DET	U	MOT	MR62	GSE	33				O		
	2720644	A		CHASSIS ELEC EQUIP	U	MOT	MR62	GSE	33				O		
	2720653	A		CHASS 3MC PH DET	U	MOT	MR62	GSE	33				O		
	2722797	A		CHASS FREQ MULTIMOD	U	MOT	MR62	GSE	33				O		
	2722798	A		CHASS XMTR SUBASSY	U	MOT	MR62	GSE	33				O		
	2723982	A		CHASS CONN 3 MC DET	U	MOT	MR62	GSE	33				O		
	2723983	A		CHASS CONN PHASE DET	U	MOT	MR62	GSE	33				O		
	2723984	A		CHASS CONN AMP DET	U	MOT	MR62	GSE	33				O		
	2723985	A		CHASS CONN 30 MC	U	MOT	MR62	GSE	33				O		
	2723986	A		CHASS CONN REF SIGN	U	MOT	MR62	GSE	33				O		
	2723987	A		CHASS CONN 3 MC VCO	U	MOT	MR62	GSE	33				O		
	2723990	A		CHASS CONN MIXER	U	MOT	MR62	GSE	33				O		
	2724087	A		CHASS 150 AMP D.C.	U	MOT	MR62	GSE	33				O		
	2724087	A		CHASSIS 150 AMP DC	U	MOT	MR62	GSE	33				O		
	2724088	A		CHASS 150 AMP	U	MOT	MR62	GSE	33				O		
	2724088	A		CHASSIS 150 AMP	U	MOT	MR62	GSE	33				O		
	2724089	A		PLATE MTG AMP DC	U	MOT	MR62	GSE	33				O		
	2724089	A		PLATE MTG AMP D.C.	U	MOT	MR62	GSE	33				O		
	2724090	A		PLATE MTG AMP AC	U	MOT	MR62	GSE	33				O		
	2724090	A		PLATE MTG AMP AC	U	MOT	MR62	GSE	33				O		
	3120649	A		TERMINAL BOARD	U	MOT	MR62	GSE	33				O		
	3120668	A		TERMINAL BD TRANSPON	U	MOT	MR62	GSE	33				O		
	3122854	A		TB LOOP FILTER	U	MOT	MR62	GSE	33				O		
	3122854	A		TB LOOP FILTER UPPER	U	MOT	MR62	GSE	33				O		
	3122855	A		TB LOOP FILTER LOWER	U	MOT	MR62	GSE	33				O		
	3123221	A		TB 30 MC PHASE DET	U	MOT	MR62	GSE	33				O		
	3123222	A		TERMINAL BOARD	U	MOT	MR62	GSE	33				O		
	3123223	A		TB 3 MC PHASE DET	U	MOT	MR62	GSE	33				O		
	3123224	A		TB DIFF AMPL	U	MOT	MR62	GSE	33				O		
	3123989	A		TBAMP DET	U	MOT	MR62	GSE	33				O		
	3422777	A		DIAL CONTROL	U	MOT	MR62	GSE	33				O		
	3820678	A		PLUG RESISTOR RET	U	MOT	MR62	GSE	33				O		
	3922781	A		COND SECTION TUNED	U	MOT	MR62	GSE	33				O		
	3922789	A		CONTACT ELECT CAVITY	U	MOT	MR62	GSE	33				O		
	3922796	A		CONTACT ELECT DIODE	U	MOT	MR62	GSE	33				O		
	3923235	A		CONTACT ELECTRICAL	U	MOT	MR62	GSE	33				O		
	3923237	A		CONTACT ELECTRICAL	U	MOT	MR62	GSE	33				O		

\* DENOTES CHANGE TO PREVIOUS LIST

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								REVISION	DATE		REV	DATE			
	4220542	A		RETAINER TURNLOCK	U	MOT	MR62	GSE	33				0		
	4220660	A		RETAINER PACKING	U	MOT	MR62	GSE	33				0		
	4222768	A		HOLDER SEMICOND DEV	U	MOT	MR62	GSE	33				0		
	4222856	A		CLAMP LOOP	U	MOT	MR62	GSE	33				0		
	4224098	A		CLAMP CABLE	U	MOT	MR62	GSE	33				0		
	4224098	A		CLAMP CABLE	U	MOT	MR62	GSE	33				0		
	4320551	A		NUT SPACER PLATE	U	MOT	MR62	GSE	33				0		
	4320555	A		SPACER FREQ CONVERTR	U	MOT	MR62	GSE	33				0		
	4320582	A		SPACER BATTERY BRKT	U	MOT	MR62	GSE	33				0		
	4320586	A		SPACER PHASE SHIFTER	U	MOT	MR62	GSE	33				0		
	4320679	A		SPACER PANEL NJE SS	U	MOT	MR62	GSE	33				0		
	4322782	A		ALIGNMENT DEVICE	U	MOT	MR62	GSE	33				0		
	4322788	A		SLEEVE CAVITY	U	MOT	MR62	GSE	33				0		
	4322803	A		SPACER SNAPSLIDE	U	MOT	MR62	GSE	33				0		
	4322857	A		SPACER SLEEVE TERMNL	U	MOT	MR62	GSE	33				0		
	4322858	A		SPACER THREADED TERM	U	MOT	MR62	GSE	33				0		
	4323225	A		SPACER TB	U	MOT	MR62	GSE	33				0		
	4323238	A		SPACER SLEEVE DIODE	U	MOT	MR62	GSE	33				0		
	4520603	A		SLIDE IN CHASS TRAK	U	MOT	MR62	GSE	33				0		
	4620543	A		STUD TURNLOCK FAST	U	MOT	MR62	GSE	33				0		
	4620577	A		STUD TRANSPONDER MT	U	MOT	MR62	GSE	33				0		
	4620604	A		STUD EXT CRYSTAL FIL	U	MOT	MR62	GSE	33				0		
	4620662	A		BLOCK VARIABLE ATTEN	U	MOT	MR62	GSE	33				0		
	4720567	A		ROD CIRCUIT BREAKER	U	MOT	MR62	GSE	33				0		
	4720592	A		BAR SLIDE MOUNT	U	MOT	MR62	GSE	33				0		
	4720600	A		BAR CLAMPING	U	MOT	MR62	GSE	33				0		
	4720639	A		SHAFT SWITCH	U	MOT	MR62	GSE	33				0		
	4722852	A		BAR CLAMPING XMTR	U	MOT	MR62	GSE	33				0		
	4920532	A		RETRACTOR CABLE	U	MOT	MR62	GSE	33				0		
	4922785	A		DISK CAVITY CENTER	U	MOT	MR62	GSE	33				0		
	5424086	A		PANEL CONNECTOR	U	MOT	MR62	GSE	33				0		
	5520530	A		HANDLE LOCK	U	MOT	MR62	GSE	33				0		
	5520531	A		HANDLE LOCK & TRIGR	U	MOT	MR62	GSE	33				0		
	5823980	A		ADAPTER CONNECTOR	U	MOT	MR62	GSE	33				0		
	5920533	A		FAN EXHAUST	U	MOT	MR62	GSE	33				0		
	6224081	A		PANEL FRONT	U	MOT	MR62	GSE	33				0		
J	6322808	A		SCHEM XMITTER TEST	U	MOT	MR62	GSE	33				0		
J	6322809	A		SCHEM FREQ MULT&MOD	U	MOT	MR62	GSE	33				0		
J	6322810	A		SCHEM RECEIVER TEST	U	MOT	MR62	GSE	33				0		
J	6322811	A		SCHEM RADIO RECEIVER	U	MOT	MR62	GSE	33				0		

\* DENOTES CHANGE TO PREVIOUS LIST

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								REVISION	DATE		REV	DATE			
J	6322812	A		SCHEM 14MC RF OSC	U	MOT	MR62	GSE	33				0		
J	6322813	A		SCHEM OSC RF 33 MC	U	MOT	MR62	GSE	33				0		
J	6322814	A		SCHEM AMPL DET RF	U	MOT	MR62	GSE	33				0		
J	6322815	A		SCHEM PHASE DET RF	U	MOT	MR62	GSE	33				0		
J	6322816	A		SCHEM AMPL INTMED	U	MOT	MR62	GSE	33				0		
J	6322817	A		SCHEM FREQ CONV	U	MOT	MR62	GSE	33				0		
J	6322818	A		SCHEM REL CONV	U	MOT	MR62	GSE	33				0		
J	6322819	A		SCHEM COHERENT FREQ	U	MOT	MR62	GSE	33				0		
J	6322820	A		SCHEM OSC RF 3MC VCO	U	MOT	MR62	GSE	33				0		
J	6322821	A		SCHEM 33 MC MIXER	U	MOT	MR62	GSE	33				0		
J	6322822	A		SCHEM PH DET 3 MC	U	MOT	MR62	GSE	33				0		
J	6322823	A		SCHEM NETWORK PHASE	U	MOT	MR62	GSE	33				0		
J	6322824	A		SCHEM GENERATOR REF	U	MOT	MR62	GSE	33				0		
J	6322825	A		SCHEM MONITOR TEST	U	MOT	MR62	GSE	33				0		
J	6322826	A		SCHEM MOUNT XPONDER	U	MOT	MR62	GSE	33				0		
J	6322827	A		SCHEM XPONDER MOUNT	U	MOT	MR62	GSE	33				0		
J	6323232	A		SCHEM AM MODULATOR	U	MOT	MR62	GSE	33				0		
J	6323506	A		SCHEM 30 MC TEST OSC	U	MOT	MR62	GSE	33				0		
J	6323585	A		SCHEM-14 MC RF OSC	U	MOT	MR62	GSE	33				0		
J	6324103	A		S/C TEST ADAPTER	U	MOT	MR62	GSE	33				0		
J	6324104	A		MONITOR SIG INTCON	U	MOT	MR62	GSE	33				0		
J	6324105	A		DUAL D.C. AMP 5A1A1	U	MOT	MR62	GSE	33				0		
J	6324106	A		DUAL A.C. AMP 5A1A3	U	MOT	MR62	GSE	33				0		
J	6324107	A		R.F. SIGN INTCON 5A2	U	MOT	MR62	GSE	33				0		
J	6325457	B		SHAPER SCHEMATIC	U	MOT	MR62	GSE	33				0		
J	6325458	B		WORD COUNTER SCHEM	U	MOT	MR62	GSE	33				0		
J	6325459	B		MONOSTABLE SCHEMATIC	U	MOT	MR62	GSE	33				0		
J	6325467	B		CHOPPER DEM DR SCHEM	U	MOT	MR62	GSE	33				0		
J	6325488	B		LIMITER SCHEM	U	MOT	MR62	GSE	33				0		
J	6325489	B		CHOPPER DEM SCHEMATC	U	MOT	MR62	GSE	33				0		
J	6325529	B		J-K-T SCHEM FLIP FLP	U	MOT	MR62	GSE	33				0		
J	6325551	B		MODULATOR LIMIT SCHM	U	MOT	MR62	GSE	33				0		
J	6325552	B		LIMITER OPUT SCHEM	U	MOT	MR62	GSE	33				0		
J	6325553	B		COMMAND MODULT SCHEM	U	MOT	MR62	GSE	33				0		
J	6325554	B		SUMMING AMPL SCHEM	U	MOT	MR62	GSE	33				0		
J	6325555	B		COMMAND MOD SCHEM	U	MOT	MR62	GSE	33				0		
J	6325556	B		COMMAND MOD SCHEM	U	MOT	MR62	GSE	33				0		
J	6325557	B		SCHEM JK/T FLIP FLOP	U	MOT	MR62	GSE	33				0		
J	6325558	B		MONOSTABLE SCHEM	U	MOT	MR62	GSE	33				0		
J	6325559	B		SCHEM TRL GATE C	U	MOT	MR62	GSE	33				0		

\* DENOTES CHANGE TO PREVIOUS LIST

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							REVISION	THIRD REV.		NO.	YR.			
	6325560	B	SCHEM TRL GATE D	U	MOT	MR62	GSE	33				0		
	6325561	B	SCHEM POWER DRIVER	U	MOT	MR62	GSE	33				0		
	6325562	B	SCHEM LAMP DRIVER	U	MOT	MR62	GSE	33				0		
	6325564	B	SCHEM TRL GATE A	U	MOT	MR62	GSE	33				0		
	6325565	B	SCHEM TRL GATE B	U	MOT	MR62	GSE	33				0		
	6325566	B	SCHEM EMIT FOLLOWER	U	MOT	MR62	GSE	33				0		
	6325567	B	SCHEM EMIT FOLLOWER	U	MOT	MR62	GSE	33				0		
	6325568	B	SCHEM INVERTER	U	MOT	MR62	GSE	33				0		
	6325569	B	C SCHEM POS LOGIC LEVL	U	MOT	MR62	GSE	33				0		
	6325570	B	C SCHEM NEG LOGIC LEVL	U	MOT	MR62	GSE	33				0		
	6325579	B	A UNIVERSAL BD SCHEM 2	U	MOT	MR62	GSE	33				0		
	6325580	B	A SCHEM LINE AMPL	U	MOT	MR62	GSE	33				0		
	6325589	B	A SCHEM POWER TURN ON	U	MOT	MR62	GSE	33				0		
	6325590	B	A SCHEM SW296SCOPE	U	MOT	MR62	GSE	33				0		
H	6326594	B	SCHEMATIC CONVERTER	U	MOT	MR62	GSE	33				0		
	6420553	A	PLATE MOUNTING PLAIN	U	MOT	MR62	GSE	33				0		
	6420558	A	PLATE MOUNTING	U	MOT	MR62	GSE	33				0		
	6420560	A	PLATE MOUNT 30 MC	U	MOT	MR62	GSE	33				0		
	6420564	A	PLATE MOUNT IF AMPL	U	MOT	MR62	GSE	33				0		
	6420565	A	PANEL POWER	U	MOT	MR62	GSE	33				0		
	6420568	A	PANEL POWER MONITOR	U	MOT	MR62	GSE	33				0		
	6420570	A	PANEL FRONT XMTR	U	MOT	MR62	GSE	33				0		
	6420576	A	PANEL CONNECTOR	U	MOT	MR62	GSE	33				0		
	6420579	A	PLATE MOUNT REF SIGN	U	MOT	MR62	GSE	33				0		
	6420580	A	PLATE MOUNTING 3 MC	U	MOT	MR62	GSE	33				0		
	6420585	A	COVER CONN RF SHIELD	U	MOT	MR62	GSE	33				0		
	6420588	A	PANEL FREQ SHIFTER	U	MOT	MR62	GSE	33				0		
	6420588	A	PANEL COHERENT FREQ	U	MOT	MR62	GSE	33				0		
	6420591	A	PANEL INDICATOR	U	MOT	MR62	GSE	33				0		
	6420601	A	PANEL PW SW XPONDER	U	MOT	MR62	GSE	33				0		
	6420601	A	PANEL PWR DISTRIBUTE	U	MOT	MR62	GSE	33				0		
	6420602	A	PANEL CONNECTOR	U	MOT	MR62	GSE	33				0		
	6420607	A	PLATE MOUNT VCO 33MC	U	MOT	MR62	GSE	33				0		
	6420608	A	PLATE ATTENUATOR MT	U	MOT	MR62	GSE	33				0		
	6420609	A	PANEL FRONT XPONDER	U	MOT	MR62	GSE	33				0		
	6420611	A	PANEL BLANK RECEIVER	U	MOT	MR62	GSE	33				0		
	6420612	A	PLATE MOUNT PLAIN	U	MOT	MR62	GSE	33				0		
	6420614	A	PANEL XPONDER MARK	U	MOT	MR62	GSE	33				0		
	6420617	A	PLATE MOUNT PLAIN	U	MOT	MR62	GSE	33				0		
	6420638	A	PANEL ENGRAVED FREQ	U	MOT	MR62	GSE	33				0		

\* DENOTES CHANGE TO PREVIOUS LIST

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							REVISION	THIRD REV.		NO.	YR.			
	6420640	A	PLATE SUPPORT	U	MOT	MR62	GSE	33				0		
	6420642	A	PANEL RECEIVER	U	MOT	MR62	GSE	33				0		
	6420650	A	PLATE MOUNT SWITCH	U	MOT	MR62	GSE	33				0		
	6420651	A	PLATE BOX VCO BIAS	U	MOT	MR62	GSE	33				0		
	6420658	A	PANEL BLANK MONITOR	U	MOT	MR62	GSE	33				0		
	6420659	A	PLATE RET SHAFT	U	MOT	MR62	GSE	33				0		
	6420669	A	PLATE MOUNT FREQ	U	MOT	MR62	GSE	33				0		
	6420672	A	PLATE RETAINING DRAW	U	MOT	MR62	GSE	33				0		
	6420682	A	PANEL IND HP	U	MOT	MR62	GSE	33				0		
	6422760	A	PLATE MOUNT SHIFTER	U	MOT	MR62	GSE	33				0		
	6422784	A	PLATE CAVITY END	U	MOT	MR62	GSE	33				0		
	6422794	A	PLATE CAVITY TOP	U	MOT	MR62	GSE	33				0		
	6422801	A	PLATE CONNECTOR XMTR	U	MOT	MR62	GSE	33				0		
	6422844	A	PLATE FREQ SUBASSY	U	MOT	MR62	GSE	33				0		
	6423226	A	PLATE MOUNT PH DET	U	MOT	MR62	GSE	33				0		
	6423235	A	PLATE MOUNTING AM	U	MOT	MR62	GSE	33				0		
	6423988	A	PLATE MOUNT RECEIVER	U	MOT	MR62	GSE	33				0		
	6424080	A	PANEL RF SIGN	U	MOT	MR62	GSE	33				0		
	6424080	A	PANEL RF SIGN	U	MOT	MR62	GSE	33				0		
	6424082	A	INSULATING BOARD	U	MOT	MR62	GSE	33				0		
	6424082	A	INSULATING BOARD	U	MOT	MR62	GSE	33				0		
	6424084	A	COVER BOX MGC BIAS	U	MOT	MR62	GSE	33				0		
	6424084	A	COVER BOX MGC BIAS	U	MOT	MR62	GSE	33				0		
	6424086	A	PANEL CONNECTOR	U	MOT	MR62	GSE	33				0		
	6424091	A	BASE MONITOR SIG	U	MOT	MR62	GSE	33				0		
	6424091	A	BASE MONITOR SIGN	U	MOT	MR62	GSE	33				0		
	6424095	A	BASE R.F. SIG	U	MOT	MR62	GSE	33				0		
	6424095	A	BASE RF SIGN	U	MOT	MR62	GSE	33				0		
	6424096	A	PANEL SPACER	U	MOT	MR62	GSE	33				0		
	6424096	A	PANEL SPACER	U	MOT	MR62	GSE	33				0		
	6424097	A	PLATE MTG COAXIAL	U	MOT	MR62	GSE	33				0		
	6424097	A	PLATE MTG COAXIAL	U	MOT	MR62	GSE	33				0		
	6424100	A	PLATE ACCESS	U	MOT	MR62	GSE	33				0		
	6424100	A	PLATE ACCESS	U	MOT	MR62	GSE	33				0		
	6424100	A	PLATE ACCESS	U	MOT	MR62	GSE	33				0		
	6424100	A	PLATE ACCESS	U	MOT	MR62	GSE	33				0		
	6424101	A	PLATE SPACER SW	U	MOT	MR62	GSE	33				0		
	6424101	A	PLATE SPACER SW	U	MOT	MR62	GSE	33				0		
	6424220	A	PLATE FILTER MOUNT	U	MOT	MR62	GSE	33				0		
	6426594	A	890/960 CONVERTER	U	MOT	MR62	GSE	33				0		

\* DENOTES CHANGE TO PREVIOUS LIST

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**DRAWING LIST**

REV	DRAWING NO.	REV NO.	REV	TITLE	C	CLASS	VENOR CODE	RELEASE FOR		REV	DATE	BY	STATUS	DRAWING CONTROL	NEXT ASSEMBLY	REV
								REVISION	REVISION							
J	6922807	A		BLOCK DSM PLD RAD	U	MOT	MR62	GSE	33							
H	6925530	B	A	SYN TELEMETRY	U	MOT	MR62	GSE	33							
H	6925531	B	A	BIT COMPARATOR LOGIC	U	MOT	MR62	GSE	33							
F	6925532	B	A	ADDRESS MONITOR	U	MOT	MR62	GSE	33							
F	6925533	B	A	CCGS MONITOR LOGIC	U	MOT	MR62	GSE	33							
H	6925534	B	A	TIMER SUBASSY LOGIC	U	MOT	MR62	GSE	33							
H	6925535	B	A	WORD GENERATOR LOGIC	U	MOT	MR62	GSE	33							
H	6925541	B	C	COMMAND MODULATOR	U	MOT	MR62	GSE	33							
	6925581	B	A	DYNAMICS AMPLIFIER	U	MOT	MR62	GSE	33							
D	6925586	B	A	TEST HARNESS CABLES	U	MOT	MR62	GSE	33							
	6925587	B	A	ISOLATION AMPL CONN	U	MOT	MR62	GSE	33							
	6925588	B	A	ISOLATION AMPL CONN	U	MOT	MR62	GSE	33							
D	6925591	B	A	CABLE HARNESS INST	U	MOT	MR62	GSE	33							
	7520605	A		CUSHION COVER	U	MOT	MR62	GSE	33							
	8422680	B	C	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33							
	8422681	B	D	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33							
	8422682	B	C	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33							
	8422683	B	D	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33							
	8422684	B	C	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33							
	8422685	B	C	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33							
	8422696	B	C	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33							
	8422698	B	C	PRINT WIR MONOSTABLE	U	MOT	MR62	GSE	33							
	8422858	B	A	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33							
	8425450	B	A	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33							
	8425486	B	A	PRINTED WIRING PLAIN	U	MOT	MR62	GSE	33							
	8425629	B	A	PRINTED WIR AMPL	U	MOT	MR62	GSE	33							

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REV	DRAWING NO.	REV NO.	REV	TITLE	C	CLASS	VENOR CODE	RELEASE FOR		REV	DATE	BY	STATUS	DRAWING CONTROL	NEXT ASSEMBLY	REV
								REVISION	REVISION							
	105201			CONNECTOR ADAPTER	U	JPL	MR62	GSE	34	11	61					
	105202			WRENCH PRESSURE SW	U	JPL	MR62	GSE	34	11	61					
	105226	B		SENSOR VALVES	U	JPL	MR62	GSE	34	11	61					
	105228	D		SENSOR VALVE PANEL	U	JPL	MR62	GSE	34	12	61					
	105229	D		M/C PANEL IN WIRE	U	JPL	MR62	GSE	34	01	62					
	105231	B		ATT CON' GYRO PANEL	U	JPL	MR62	GSE	34	01	61					
	105237	B		GYRO MONITOR PHA	U	JPL	MR62	GSE	34	12	62					
	105238	A		GYRO MONITOR GANT PNL	U	JPL	MR62	GSE	34	12	62					
	105239			MANEUVR MONITOR PNL	U	JPL	MR62	GSE	34	10	62					
	105240			MANEUVR MONITOR PNL	U	JPL	MR62	GSE	34	10	62					
	105241	B		MANEUVR MONITOR PNL	U	JPL	MR62	GSE	34	12	62					
	105282			A/C SYS TEST CONSOLE	U	JPL	MR62	GSE	34	12	62					
	105283			A/C SYS TEST CONSOLE	U	JPL	MR62	GSE	34	12	62					
	105289			CB768 MANEUVER MONTR	U	JPL	MR62	GSE	34	02	62					
	105289	A		CB#6 MANEUVER MONITR	U	JPL	MR62	GSE	34	02	62					
	105296			CB3 MANEUVER MONITOR	U	JPL	MR62	GSE	34	02	62					
	106314			PRESSURE SW ADAPTER	U	JPL	MR62	GSE	34	11	61					
	106902			A/C TEST BOX	U	JPL	MR62	GSE	34	02	62					
	106903			A/C TEST BOX DETAIL	U	JPL	MR62	GSE	34	02	62					
B	113350			HOLDER SUN SENSOR	U	JPL	MR62	GSE	34	10	60					
D	113351			SHIELD TEST SUN SENS	U	JPL	MR62	GSE	34	01	61					
A	113352			INSERT TEST SHIELD	U	JPL	MR62	GSE	34	10	60					
B	113353			PLATE TEST SHIELD	U	JPL	MR62	GSE	34	10	60					
A	113354			SUPPORT LAMP TEST	U	JPL	MR62	GSE	34	10	60					
B	113355			SUPPORT LAMP SENSOR	U	JPL	MR62	GSE	34	10	60					
B	113730			HOLDER SUN SENSOR	U	JPL	MR62	GSE	34	04	61					
D	113731	A		SHIELD TEST SUN SENS	U	JPL	MR62	GSE	34	04	61					
D	3349050	A		TEST LIGHT ASSY	U	JPL	MR62	GSE	34	12	62					
C	3349051			TOP TEST LIGHT	U	JPL	MR62	GSE	34	12	62					
C	3349052			BASE TEST LIGHT ASSY	U	JPL	MR62	GSE	34	08	60					
B	3349053			BODY LAMP TEST LIGHT	U	JPL	MR62	GSE	34	08	60					
B	3349055			CONTACT TEST LIGHT	U	JPL	MR62	GSE	34	08	60					
B	3349056			INSULATOR TEST LIGHT	U	JPL	MR62	GSE	34	08	60					
B	3349057			RETAINER TEST LIGHT	U	JPL	MR62	GSE	34	08	60					
B	3349058			THUMBSCREW TEST LITE	U	JPL	MR62	GSE	34	08	60					
B	3349059			GASKET TEST LIGHT	U	JPL	MR62	GSE	34	08	60					
A	3349060			GASKET INNER TEST	U	JPL	MR62	GSE	34	08	60					
A	3349061			GASKET OUTER TEST	U	JPL	MR62	GSE	34	08	60					
B	3349062			CLAMP BAR TEST LITE	U	JPL	MR62	GSE	34	08	60					
D	3349063			TEST LIGHT ASSY	U	JPL	MR62	GSE	34	08	60					

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REV	DRAWING NO.	REV NO.	REV	TITLE	REV	VENDOR CODE	RELEASE FOR MAJOR ITEM		REVISION	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							REV	DATE					
C	8200064		A	BASE TEST CYCLE ASSY		U JPL	MR62	GSE	34	12 62			
J	8200065			CABLE ASSY INTERNAL		U JPL	MR62	GSE	34	02 62			
J	8200197			PAD SHIPPING CASE		U JPL	MR62	GSE	34	09 62		8200199	
J	8200198			COVER SHIPPING CASE		U JPL	MR62	GSE	34	09 62		8200199	
J	8200199			SHIPPING CASE A/C		U JPL	MR62	GSE	34	09 62			
J	8200209		A	BOOSTER NITROGEN		U JPL	MR62	GSE	34	11 62			
J	8200211			MOCK UP FORM A/C		U JPL	MR62	GSE	34	09 62			
J	8200215			TOOL TUBE CUTTER ASSY		U JPL	MR62	GSE	34	09 62		8200215	
J	8200216			KIT TUBE CUTTER ASSY		U JPL	MR62	GSE	34	09 62			
J	8200308			BLOCKHOUSE CHASS WIR		U JPL	MR62	GSE	34				
J	8200374	SP		BLOCKHOUSE ASSY		U JPL	MR62	GSE	34				
J	8200375			BLOCKHOUSE ASSY WIRE		U JPL	MR62	GSE	34				
J	8700031			FUEL TILL ASSY		U JPL	MR62	GSE	34	10 61		3261002	
J	8700034		A	TEST FIXTURE		U JPL	MR62	GSE	34	02 62			
J	8700041			FUEL TANK LEAK TEST		U JPL	MR62	GSE	34	05 62			
U	8700043			WRENCH ASSY		U JPL	MR62	GSE	34	06 62			
J	8700078			HANDLING FIXTURE		U JPL	MR62	GSE	34				

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REV	DRAWING NO.	REV NO.	REV	TITLE	REV	VENDOR CODE	RELEASE FOR MAJOR ITEM		REVISION	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							REV	DATE					
J	119449			FEED THRU PLATE PW		U JPL	MR62	GSE	35				
J	119450			FEED THRU PLATE SIGN		U JPL	MR62	GSE	35				
D	4800353			SCHEMATIC CB SQUIB		U JPL	MR62	GSE	35			8200014	
J	8200001		B	RACK ASSY		U JPL	MR62	GSE	35	02 62		8200090	
D	8200014		B	CB ASSY SQUIB CUR		U JPL	MR62	GSE	35	01 62		8200035	
J	8200019			PYRO MONITOR B		U JPL	MR62	GSE	35	02 62		8200050	
J	8200020		A	PANEL		U JPL	MR62	GSE	35	01 63		8200019	
J	8200021			CHASSIS ASSY		U JPL	MR62	GSE	35	02 62		8200035	
B	8200022		A	PLATE FUNCTION		U JPL	MR62	GSE	35	01 63		8200019	
B	8200023		A	PLATE FUNCTION		U JPL	MR62	GSE	35	01 63		8200019	
B	8200023		A	PLATE FUNCTION		U JPL	MR62	GSE	35	01 63		8200035	
B	8200024		A	PLATE FUNCTION		U JPL	MR62	GSE	35	02 62		8200035	
B	8200024		A	PLATE FUNCTION		U JPL	MR62	GSE	35	02 62		8200035	
B	8200025		A	PLATE FUNCTION		U JPL	MR62	GSE	35	01 63		8200019	
B	8200025		A	PLATE FUNCTION		U JPL	MR62	GSE	35	01 63		8200035	
B	8200026		A	PLATE FUNCTION		U JPL	MR62	GSE	35	01 63		8200019	
B	8200026		A	PLATE FUNCTION		U JPL	MR62	GSE	35	01 63		8200035	
J	8200027			PYRO MONITOR SCHEM		U JPL	MR62	GSE	35	03 62		8200035	
C	8200028		A	BRACKET CHASSIS MTG		U JPL	MR62	GSE	35	01 63		8200035	
C	8200028		A	BRACKET		U JPL	MR62	GSE	35	01 63		8200035	
C	8200029			CB1 PYRO MONITOR		U JPL	MR62	GSE	35	02 62		8200019	
C	8200030			CB2 PYRO MONITOR		U JPL	MR62	GSE	35	02 62		8200035	
B	8200031		A	SUPPORT		U JPL	MR62	GSE	35	01 63		8200035	
B	8200031		A	SUPPORT		U JPL	MR62	GSE	35	01 63		8200019	
C	8200032		A	RETAINER		U JPL	MR62	GSE	35	01 63		8200035	
C	8200032		A	RETAINER		U JPL	MR62	GSE	35	01 63		8200019	
B	8200033		A	SUPPORT SWITCH		U JPL	MR62	GSE	35	01 63		8200035	
B	8200033		A	SUPPORT SWITCH		U JPL	MR62	GSE	35	01 63		8200035	
B	8200034		A	RESISTOR ASSY		U JPL	MR62	GSE	35	01 63		8200035	
B	8200034		A	RESISTOR ASSEMBLY		U JPL	MR62	GSE	35	01 63		8200035	
J	8200035			PYROTECHNIC MON ASSY		U JPL	MR62	GSE	35	02 62		8200035	
J	8200037		A	JUNCTION PANEL		U JPL	MR62	GSE	35	01 63		8200035	
J	8200050			PYRO MONITOR CONSOLE		U JPL	MR62	GSE	35	06 62			
J	8200067		A	CONNECTOR INTERFACE		U JPL	MR62	GSE	35	01 63		8200035	
B	8200100		A	ANGLE SHELF SUPPORT		U JPL	MR62	GSE	35	01 63		8200035	
C	8200101		A	DRAWER SHELF		U JPL	MR62	GSE	35	01 63		8200035	
D	8200102		B	SUPPORT		U JPL	MR62	GSE	35	01 63		8200035	
D	8200112		A	PCA RESET MONITOR		U JPL	MR62	GSE	35	01 63		8200035	
J	8200019			PRINTED CIRCUITRY		U JPL	MR62	GSE	35			8200035	
U	8200045		A	CONSOLE CABLE PL		U JPL	MR62	GSE	35	01 63		8200035	

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## DRAWING LIST

DRAWING LIST													
REV	DRAWING NO.	ASST. NO.	TITLE	CHK.	DATE	RELEASE FOR VENDOR CODE		REV.	RELEASE DATE		DRAWING CONTROL STATUS	REPT ASSEMBLY	2
						SERIAL	THRU	REV.	NO.	MO.	YR.		
D	8900456		A CONSOLE CABLE #1	U	JPL	MR62	GSE	35	01	63		8200050	
D	8900457		A CONSOLE CABLE #3	U	JPL	MR62	GSE	35	01	63		8200050	
D	8900458		A CONSOLE CABLE #8	U	JPL	MR62	GSE	35	01	63		8200050	
D	8900459		B CONSOLE CABLE #1	U	JPL	MR62	GSE	35	01	63		8200050	
B	8900460		A CONSOLE CABLE #7	U	JPL	MR62	GSE	35	01	63		8200050	
C	8900461		B CONSOLE CABLE #5	U	JPL	MR62	GSE	35	01	63		8200050	
C	8900462		B CONSOLE CABLE #6	U	JPL	MR62	GSE	35	01	63		8200050	
C	8900463		A CONSOLE CABLE #9	U	JPL	MR62	GSE	35	01	63		8200050	
C	8900471		GSE TEST AREA	U	JPL	MR62	GSE	35	12	62		8900469	
J	8900473		UMBILICAL JUNCT BOX	U	JPL	MR62	GSE	35	12	62		8900469	
J	8900478		GSE S/C INTERFACE	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900479		2W21MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900480		2W22MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900481		2W23MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900482		2W24MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900483		2W25MR	U	JPL	MR62	GSE	35	12	62		8900469	
C	8900484		2W26MR	U	JPL	MR62	GSE	35	12	62		8900469	
C	8900485		2W27MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900486		2W28MR	U	JPL	MR62	GSE	35	12	62		8900469	
C	8900487		2W29MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900523		2W332MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900524		2W333MR	U	JPL	MR62	GSE	35	12	62		8900469	
C	8900525		2W406MR	U	JPL	MR62	GSE	35	12	62		8900469	
C	8900533		2W322MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900542		2W324MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900545		2W334MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900546		3W21MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900547		3W22MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900548		3W27MR	U	JPL	MR62	GSE	35	12	62		8900469	
B	8900549		3W28MR	U	JPL	MR62	GSE	35	12	62		8900469	
C	8900576		3W210MR	U	JPL	MR62	GSE	35	12	62		8900469	
C	8900592		CA SYS GROUND CABLE	U	JPL	MR62	GSE	35	12	62		8900469	
J	8900593		GSE PWR JCT BOX	U	JPL	MR62	GSE	35	12	62		8900469	
J	8900610		WIR DGM GSE	U	JPL	MR62	GSE	35	12	62		8900469	

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## DRAWING LIST

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## F. *Mariner R* 1964 Drawing List: Flight Numerical



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**DRAWING LIST**

REV	DRAWING NO.	PART NO.	TITLE	REV	CLASS	NUMBER	RELEASE FOR		REV.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							REPROD.	THIRD REV.					
E	550717		A PWR SUP MK2 L-BAND	U	AEI	MR64		33				4600312	
A	550717	PL	A PWR SUP MK2 L-BAND	U	AEI	MR64		33				550717	
C	850738		A ARTWORK TEMPLATE	U	AEI	MR64		33				550717	
C	850741		A ARTWORK TEMPLATE	U	AEI	MR64		33				550717	
C	850749		A TRANSFORMER-PWR T401	U	AEI	MR64		33				550717	
C	850750		A SILKSCREEN	U	AEI	MR64		33				550717	
D	950716		A CHASSIS MK2 L-BAND	U	AEI	MR64		33				550717	
U	950718		A ENV MK2 L-BAND PWR	U	AEI	MR64		33				550717	
D	950721		A SCHEMATIC MK2 L-BAND	U	AEI	MR64		33				550717	
D	950739		A COMPONENT BOARD REG	U	AEI	MR64		33				550717	
D	950740		A COMPONENT BOARD REG	U	AEI	MR64		33				550717	
D	950742		A COMPONENT BD UNREG	U	AEI	MR64		33				550717	
D	950743		A COMPONENT BD UNREG	U	AEI	MR64		33				550717	
A	61001		WIRE-CODE-COLOR&FUNC	U	CCC	MR64		32					
A	61002		FLIP FLOP SCHEMATIC	U	CCC	MR64		32					
A	61003		EMITTER FOLLOW SCHEM	U	CCC	MR64		32					
A	61004		POWER ON RESET SCHEM	U	CCC	MR64		32					
A	61005		REF SUPPLY SCHEMATIC	U	CCC	MR64		32					
A	61006		RESET AMPLIF SCHEM	U	CCC	MR64		32					
A	61007		CRD GATE SCHEMATIC	U	CCC	MR64		32					
A	61008		AND GATE SCHEMATIC	U	CCC	MR64		32					
A	61009		A/D CONV COMP SCHEM	U	CCC	MR64		32					
A	61010		AND GATE SCHEM	U	CCC	MR64		32					
A	61011		A/D CONV COMP SCHEM	U	CCC	MR64		32					
A	61012		A/D CONV INPT SCHEM	U	CCC	MR64		32					
A	61013		A/D CONV COMP SCHEM	U	CCC	MR64		32					
A	61014		A/D CONV INPUT SCHEM	U	CCC	MR64		32					
A	61015		OR INVERT SCHEMATIC	U	CCC	MR64		32					
B	61016		A/D CONV COMP SCHEM	U	CCC	MR64		32					
B	61017		D-A STEP STAIR SCHEM	U	CCC	MR64		32					
C	61019		LOGIC SUBCHAS 20A21	U	CCC	MR64		32					
C	61020		LOGIC SUBCHAS 20A22	U	CCC	MR64		32					
C	61021		LOGIC SUBCHAS 20A23	U	CCC	MR64		32					
C	61022		LOGIC SUBCHAS 20A24	U	CCC	MR64		32					
C	61023		LOGIC SUBCHAS 20A25	U	CCC	MR64		32					
A	61024		37 PIN CONN 20A21 J1	U	CCC	MR64		32					

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REV	DRAWING NO.	PART NO.	TITLE	REV	CLASS	NUMBER	RELEASE FOR		REV.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							REPROD.	THIRD REV.					
A	61025		37 PIN CONN 20A22 J1	U	CCC	MR64		32					
A	61026		37 PIN CONN 20A23 J1	U	CCC	MR64		32					
A	61027		37 PIN CONN 20A24 J1	U	CCC	MR64		32					
A	61028		37 PIN CONN 20A25 J1	U	CCC	MR64		32					
A	61029		15 PIN CONN 20A26 J1	U	CCC	MR64		32					
A	61030		50 PIN CONN 20A21 J1	U	CCC	MR64		32					
A	61031		50 PIN CONN 20A22 J2	U	CCC	MR64		32					
A	61032		50 PIN CONN 20A23 J2	U	CCC	MR64		32					
A	61033		50 PIN CONN 20A24 J2	U	CCC	MR64		32					
A	61034		50 PIN CONN 20A25 J2	U	CCC	MR64		32					
C	123832		PARTS LIST	U	CCC	MR64		32					
J	123833		LOGICAL DIAGRAM	U	CCC	MR64		32					
A	1912014		A CONTAINER REINF	U	ESB	MR64		34				2012014	
A	1912014		A CONTAINER REINF	U	ESB	MR64		34				2012015	
B	2001067		BOX INTERIOR	U	ESB	MR64		34				2001069	
B	2001068		BOX EXTERIOR	U	ESB	MR64		34				2001069	
D	2001069		A PACKAGING BATTERY	U	ESB	MR64		34				2011000	
E	2011000		A BATTERY ASSY	U	ESB	MR64		34				4400390	
C	2012001		A POS & NEG ASSY	U	ESB	MR64		34				2012014	
C	2012001		A POS & NEG ASSY	U	ESB	MR64		34				2012015	
B	2012002		A POSITIVE PLATE	U	ESB	MR64		34				2012001	
B	2012002		A POSITIVE PLATE	U	ESB	MR64		34				2012001	
B	2012003		A NEGATIVE ASSY	U	ESB	MR64		34				2012001	
B	2012003		A NEGATIVE ASSY	U	ESB	MR64		34				2012001	
B	2012004		A GRID ASSY NEGATIVE	U	ESB	MR64		34				2012003	
B	2012004		A GRID ASSY NEGATIVE	U	ESB	MR64		34				2012003	
A	2012005		A SEPARATOR POSITIVE	U	ESB	MR64		34				2012001	
A	2012005		A SEPARATOR POSITIVE	U	ESB	MR64		34				2012001	
A	2012006		A RETAINER	U	ESB	MR64		34				2012003	
A	2012006		A RETAINER	U	ESB	MR64		34				2012003	
C	2012007		CONTAINERS	U	ESB	MR64		34				2012014	
C	2012007		CONTAINERS	U	ESB	MR64		34				2012015	
C	2012008		A WIRING DIAGRAM	U	ESB	MR64		34				2011000	
B	2012009		A HEAT TRANSFER	U	ESB	MR64		34				2012014	
B	2012009		A HEAT TRANSFER	U	ESB	MR64		34				2012015	
B	2012010		POTTING CHANNEL	U	ESB	MR64		34				2012014	

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								SERIAL	THRU SER.		NO.	TH			
B	2012010			POTTING CHANNEL	U	ESB	MR64		34					2012015	
B	2012011			POTTING CHANNEL	U	ESB	MR64		34					2012014	
B	2012011			POTTING CHANNEL	U	ESB	MR64		34					2012015	
B	2012012			5 CELL COVER	U	ESB	MR64		34					2012014	
B	2012012			5 CELL COVER	U	ESB	MR64		34					2012015	
B	2012013			4 CELL COVER	U	ESB	MR64		34					2012014	
B	2012013			4 CELL COVER	U	ESB	MR64		34					2012015	
D	2012014	A		MONOBLOCK POSITIVE	U	ESB	MR64		34					2011000	
D	2012015	A		MONOBLOCK NEGATIVE	U	ESB	MR64		34					2011000	
A	2012016	B		TRANSDUCER PANEL	U	ESB	MR64		34					2012019	
A	2012017			TERMINAL BOARD	U	ESB	MR64		34					2012019	
A	2012018			TERMINAL ASSY	U	ESB	MR64		34					2012019	
A	2012019	A		TRANSDUCER ASSY	U	ESB	MR64		34					2011000	
B	2012020			STAMPS MARINER R	U	ESB	MR64		34					2011000	
D	122436			HEL MAGNETOMETER SK	U	JPL	MR64		32						
D	123213			PWR SUPP SCHEM	U	JPL	MR64		32						
B	123635			WAVE GUIDE	U	JPL	MR64								
B	123636			L-BAND SYS L-BAND	U	JPL	MR64		31						
B	123637			L-BAND SYS COMMAND	U	JPL	MR64		31						
B	123638			L-BAND SYS POWER	U	JPL	MR64		31						
B	123639			L-BAND SYS ENCODER	U	JPL	MR64		31						
B	123640			L-BAND SYS ATT CONT	U	JPL	MR64		31						
B	123641			L-BAND SYS WIRING	U	JPL	MR64		31						
B	123642			COMMAND SYS POWER	U	JPL	MR64		31						
B	123643			COMMAND SYS CC&S	U	JPL	MR64		31						
B	123644			COMMAND SYS ENCODER	U	JPL	MR64		31						
B	123645			COMMAND SYS ATT CONT	U	JPL	MR64		31						
B	123646			COMMAND SYS SCIENCE	U	JPL	MR64		31						
B	123647			POWER SYS POWER	U	JPL	MR64		31						
B	123648			POWER SYS CC&S	U	JPL	MR64		31						
B	123649			POWER SYS CC&S	U	JPL	MR64		31						

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								SERIAL	THRU SER.		NO.	TH			
B	123650			POWER SYS ENCODER	U	JPL	MR64		31						
B	123651			POWER SYS ENCODER	U	JPL	MR64		31						
B	123652			POWER SYS A/C	U	JPL	MR64		31						
B	123653			POWER SYS PYRO	U	JPL	MR64		31						
B	123654			POWER SYS WIRING	U	JPL	MR64		31						
B	123655			SYSTEM	U	JPL	MR64		31						
B	123656			POWER SYS SCIENCE	U	JPL	MR64		31						
B	123657			SYSTEM	U	JPL	MR64		31						
B	123658			SYSTEM	U	JPL	MR64		31						
B	123659			SYSTEM	U	JPL	MR64		31						
B	123660			CC&S SYS ENCODER	U	JPL	MR64		31						
B	123661			CC&S SYS A/C	U	JPL	MR64		31						
B	123662			CC&S SYS A/C	U	JPL	MR64		31						
B	123663			CC&S SYS PYRO	U	JPL	MR64		31						
B	123664			CC&S SYS WIRING	U	JPL	MR64		31						
B	123665			CC&S SYS SCIENCE	U	JPL	MR64		31						
B	123666			ENCODER SYS A/C	U	JPL	MR64		31						
B	123667			ENCODER SYS A/C	U	JPL	MR64		31						
B	123668			ENCODER SYS PYRO	U	JPL	MR64		31						
B	123669			ENCODER SYS WIRING	U	JPL	MR64		31						
B	123670			ENCODER SYS WIRING	U	JPL	MR64		31						
B	123671			ENCODER SYS PROPULSN	U	JPL	MR64		31						
B	123672			ENCODER SYS THERMAL	U	JPL	MR64		31						
B	123673			ENCODER SYS THERMAL	U	JPL	MR64		31						
B	123674			ENCODER SYS SCIENCE	U	JPL	MR64		31						
B	123675			ENCODER SYS RADIOMTR	U	JPL	MR64		31						
B	123676			ENCODER SYS PARTICLE	U	JPL	MR64		31						
B	123677			A/C SYS A/C	U	JPL	MR64		31						
B	123678			A/C SYS A/C	U	JPL	MR64		31						
B	123679			A/C SYS A/C	U	JPL	MR64		31						
B	123680			A/C SYS WIRING	U	JPL	MR64		31						
B	123681			SYS	U	JPL	MR64		31						
B	123682			PYRO SYS PYRO	U	JPL	MR64		31						
B	123683			PYRO SYS PYRO	U	JPL	MR64		31						
B	123684			PYRO SYS PYRO	U	JPL	MR64		31						
B	123685			SYSTEM	U	JPL	MR64		31						
B	123686			WIRING SYS WIRING	U	JPL	MR64		31						
B	123687			SCIENCE SYS	U	JPL	MR64		31						
B	123688			SCIENCE SYS MAG	U	JPL	MR64		31						
B	123689			SCIENCE SYS MAGNOT	U	JPL	MR64		31						

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								REVISION	THRU REV.		NO.	YY			
B	123690			SCIENCE SYS PLASMA	U	JPL	MR64			31			O		
B	123691			SCIENCE SYS COSMIC	U	JPL	MR64			31			O		
B	123692			SCIENCE SYS PARTICLE	U	JPL	MR64			31			O		
B	123693			SCIENCE SYS RADIOMTR	U	JPL	MR64			31			O		
B	123694			SCIENCE SYS SCIENCE	U	JPL	MR64			31			O		
B	123695			SCIENCE SYS SCIENCE	U	JPL	MR64			31			O		
B	123696			SYSTEM	U	JPL	MR64			31			O		
B	123697			MAG SYS MAG	U	JPL	MR64			31			O		
B	123698			MAG SYS MAG	U	JPL	MR64			31			O		
B	123699			PARTICLE FLUX ION	U	JPL	MR64			31			O		
B	123700			WAVEGUIDE DATA	U	JPL	MR64			31			O		
B	123701			POWER	U	JPL	MR64			31			O		
B	123702			WAVEGUIDE DATA	U	JPL	MR64			31			O		
B	123703			WAVEGUIDE DATA	U	JPL	MR64			31			O		
B	123704			WAVEGUIDE DATA	U	JPL	MR64			31			O		
B	123705			WAVEGUIDE DATA	U	JPL	MR64			31			O		
A	123862			DATA ENC OUTPUT CKT	U	JPL	MR64			32			O		
A	123863			DC AMPL OUTPUT STAGE	U	JPL	MR64			32			O		
A	123864			SCALE SW BLOCK DGM	U	JPL	MR64			32			O		
A	123865			AMPL STAGE SCALE SW	U	JPL	MR64			32			O		
A	123866			CAL CKT INPUT STAGE	U	JPL	MR64			32			O		
D	3151066		C	GROUND PLANE	U	JPL	MR64			35	01	63	J	4100436	
C	3151068		B	STIFFENER	U	JPL	MR64			35	01	63	J	4100436	
C	3151073		D	CAP CONDUCTOR ANTENN	U	JPL	MR64			35	01	63	J	4100322	
C	3151078		C	PLUG	U	JPL	MR64			35	01	63	J	4100324	
C	3151080		E	SHELL CONNECTOR	U	JPL	MR64			35	01	63	J	4100323	
B	3151087		B	STUD THREADED 4 FT	U	JPL	MR64			35	01	63	J	4100331	
D	3151129		C	CONN RIGHT ANGLE	U	JPL	MR64			35	12	62	J	4100320	
D	3151130		B	BODY RIGHT ANGLE	U	JPL	MR64			35	12	62	J	3151129	
B	3151131		A	INSUL CONN R ANGLE	U	JPL	MR64			35	01	63	J	3151129	
B	3151132		A	INSULAT CONN R ANGLE	U	JPL	MR64			35	01	63	J	3151129	
B	3151133		B	CONTACT R ANGLE CONN	U	JPL	MR64			35	01	63	J	3151129	
C	3151135		A	COUPLING R ANGLE	U	JPL	MR64			35	01	63	J	3151129	
B	3151157		B	STUD	U	JPL	MR64			35	01	63	J	4100324	
B	3151165		A	SPACER R ANGLE CONN	U	JPL	MR64			35	01	63	J	3151129	
B	3151174		B	NUT PLAIN HEX MOD	U	JPL	MR64			35	01	63	J	4100320	

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								REVISION	THRU REV.		NO.	YY			
C	3151193		B	CLIP BRKT ELECT DISC	U	JPL	MR64			35	12	62	J	4101003	
C	3151723		B	ANGLE SUPP INSIDE	U	JPL	MR64			35	12	62	J	4101003	
C	3151724		B	ANGLE SUPP FRAME	U	JPL	MR64			35	12	62	J	4101003	
C	3151753		B	SERVO MTR ANTEN DR	U	JPL	MR64			34	12	62	J	4200886	
C	3151777		B	BRKT ACTUATOR SOLAR	U	JPL	MR64			35	12	62	J	4101003	
B	3152616		D	TM1 TRANSFLUXOR	U	JPL	MR64			34	09	62	J	4200573	
B	3152616		D	TM1 TRANSFLUXOR	U	JPL	MR64			34	09	62	J	4200538	
B	3152617		D	TM2 TRANSFLUXOR	U	JPL	MR64			34	09	62	J	4200573	
B	3152617		D	TM2 TRANSFLUXOR	U	JPL	MR64			34	09	62	J	4200538	
C	3153106		A	SCREEN	U	JPL	MR64			38	11	62	J	3153116	
C	3153106		A	SCREEN	U	JPL	MR64			38	11	62	J	3153153	
C	3153106		A	SCREEN	U	JPL	MR64			38	11	62	J	3157762	
C	3153106		A	SCREEN	U	JPL	MR64			38	01	63	J	4700522	
C	3153106		A	SCREEN	U	JPL	MR64			38	11	62	J	4700556	
D	3153109			DOVE INJECTOR	U	JPL	MR64			38	07	62	J	3153155	
B	3153110			CLOSURE	U	JPL	MR64			38	07	62	J	3153155	
B	3153111			MO2 SPRAY PROP	U	JPL	MR64			38	07	62	J	3153155	
B	3153112			FLANGE OX	U	JPL	MR64			38	07	62	J	3153155	
C	3153116			TUBE OX WELD	U	JPL	MR64			38	07	62	J	3153155	
B	3153117			TUBE OX	U	JPL	MR64			38	07	62	J	3153116	
B	3153118			TUBE OX	U	JPL	MR64			38	07	62	J	3153116	
B	3153119			TUBE OX FLARED	U	JPL	MR64			38	07	62	J	3153118	
B	3153120			NO2 OX SPRAY	U	JPL	MR64			38	07	62	J	3153118	
B	3153126			ROD SUPPORT	U	JPL	MR64			38	07	62	J	4700556	
J	3153152			INJECTOR ASSY	U	JPL	MR64			38	12	62	J	4700555	
C	3153153			INJECTOR WLDMT	U	JPL	MR64			38	12	62	J	3153152	
C	3153154			INJECTOR COATED	U	JPL	MR64			38	12	62	J	3153153	
D	3153155			INJ IST WELD	U	JPL	MR64			38	12	62	J	3153154	
D	3153156			PROP TUBE	U	JPL	MR64			38	12	62	J	3153155	
C	3157119			SPIDER	U	JPL	MR64			38	09	60	J	4700332	
B	3157120			STUD	U	JPL	MR64			38	09	60	J	4700332	
D	3157206			SUPPORT CTL WELD	U	JPL	MR64			38	07	62	J	4700558	
D	3157207			FORWARD RING	U	JPL	MR64			38	07	62	J	3157206	
C	3157208			ROD SUPPORT	U	JPL	MR64			38	07	62	J	3157206	
D	3157209			ANGLE RING	U	JPL	MR64			38	07	62	J	3157206	
D	3157210			STRUCT CTL SUPPORT	U	JPL	MR64			38	07	62	J	4700541	
C	3157211			STRUT WELDMENT	U	JPL	MR64			38	07	62	J	3157210	
B	3157212			TUBE	U	JPL	MR64			38	07	62	J	3157211	
C	3157213			CLEVIS BLANK	U	JPL	MR64			38	07	62	J	3157211	
C	3157214			TONGUE BLANK	U	JPL	MR64			38	07	62	J	3157211	

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								SERIAL	THIRD REV.		MM	YY		
B	3157215			PIN CLEVIS	U	JPL	MR64			38	07	62	J	4700541
D	3157312			SCHEMATIC	U	JPL	MR64			38	01	63	J	4700500
C	3157609		A	NEEDLE	U	JPL	MR64			38	10	62	J	4700510
C	3157609		A	NEEDLE	U	JPL	MR64			38	10	62	J	4700519
C	3157609		A	NEEDLE	U	JPL	MR64			38	10	62	J	4700529
R	3157612			GASKET	U	JPL	MR64			38	07	62	J	4700565
C	3157619			PRIMER ASSY	U	JPL	MR64			38	07	62	J	4700500
D	3157651		A	GAUGE VISUAL	U	JPL	MR64			38	10	62	J	4700527
C	3157660			WASHER	U	JPL	MR64			38	07	62	J	4700513
C	3157663			PLUG	U	JPL	MR64			38	07	62	J	4700505
B	3157702			SHIM	U	JPL	MR64			38	11	62	J	4700527
C	3157709			BLADDER CLAMP	U	JPL	MR64			38	11	62	J	4700508
C	3157712			BAFFLE	U	JPL	MR64			38	11	62	J	4700510
C	3157713			MAST	U	JPL	MR64			38	11	62	J	4700510
J	3157729		A	CARTRIDGE SHELL	U	JPL	MR64			38	12	62	J	4700531
D	3157730		A	BELLOWS ASSY	U	JPL	MR64			38	01	63	J	4700531
D	3157733			ACTUATOR ASSY	U	JPL	MR64			38	11	62	J	4700522
D	3157734			SPRING INSTALL	U	JPL	MR64			38	11	62	J	4700522
D	3157738		A	BODY	U	JPL	MR64			38	01	63	J	4700525
C	3157739		A	TUBE OUTLET	U	JPL	MR64			38	01	63	J	4700525
C	3157740			FLANGE OUTLET	U	JPL	MR64			38	11	62	J	4700525
D	3157741			PROBE	U	JPL	MR64			38	11	62	J	3157733
D	3157742			PLUNGER	U	JPL	MR64			38	11	62	J	3157733
C	3157746			DIAPHRAGM	U	JPL	MR64			38	11	62	J	3157733
D	3157747			GUIDES OUTSIDE	U	JPL	MR64			38	11	62	J	3157734
D	3157748			GUIDES INSIDE	U	JPL	MR64			38	11	62	J	3157734
B	3157749			SPRING BELLVILLE	U	JPL	MR64			38	11	62	J	3157734
C	3157750			SPRING	U	JPL	MR64			38	11	62	J	4700522
C	3157751			RING BACKUP	U	JPL	MR64			38	11	62	J	3157733
B	3157752			SHIM	U	JPL	MR64			38	11	62	J	4700513
C	3157761			SCREEN ASSY	U	JPL	MR64			38	11	62	J	4700503
C	3157762			SCREEN BRAZEMENT	U	JPL	MR64			38	11	62	J	3157761
C	3157763			SERVO	U	JPL	MR64			34	11	62	J	4700502
C	3157763			SERVO SPEC CONTROL	U	JPL	MR64			31	11	62	J	3157762
C	3157769			RING	U	JPL	MR64			38	11	62	J	3157762
C	3157816			SHIELD THERMAL	U	JPL	MR64			38	07	61	J	4700560
D	3157820			RING SERVO MOUNT	U	JPL	MR64			38	07	62	J	4700560

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REV	DRAWING NO.	BASK NO.	REV	TITLE	CPL	CONE	VENNO	RELEASE FOR		REV	REVISE	DRAWING	NEXT	
								REVISION	THRU					DATE
D	3158416	A		SUBCHASSIS MACHINED	U	JPL	MR64	35	01	61	J	4600327		
D	3158416	A		SUBCHASSIS MACHINED	U	JPL	MR64	35	01	61	J	4600328		
C	3158594	C		CLAMP	U	JPL	MR64	34	02	61	J	4200033		
D	3158596	C		HOLDER MAGNETIC CORE	U	JPL	MR64	34	09	62	J	4200501		
D	3158596	C		HOLDER MAGNETIC CORE	U	JPL	MR64	34	09	62	J	4200502		
D	3158596	C		HOLDER MAGNETIC CORE	U	JPL	MR64	34	09	62	J	4200512		
D	3158596	C		HOLDER MAGNETIC CORE	U	JPL	MR64	34	09	62	J	4200522		
D	3158596	C		HOLDER MAGNETIC CORE	U	JPL	MR64	34	09	62	J	4200538		
D	3158874	B		CABLE RETAINING BRKT	U	JPL	MR64	35	04	61	J	4901041		
B	3158918	A		BRACKET CRYST MOUNT	U	JPL	MR64	34	08	62	J	4200511		
B	3158919	C		CRYSTAL	U	JPL	MR64	34	12	62	J	4200511		
C	3158929	A		STRAP RELAY CCGS	U	JPL	MR64	34	02	61	J	4200573		
B	3158938	A		STRAP RELAY	U	JPL	MR64	34	08	62	J	4200523		
C	3158949	A		STRAP RELAY MAN DUR	*	U	JPL	MR64	34	08	62	J		
C	3158989	A		STRAP RELAY	U	JPL	MR64	34			J	4200503		
J	3170385	E		HOUSING ASSY ANTENNA	U	JPL	MR64	34	03	63	J	4200885		
J	3170397	A		COVER , HOUSING GEAR	U	JPL	MR64	34	12	62	J	3170401		
D	3172189	A		TRANSDUCER 2A3	U	JPL	MR64	35	12	62	J	4901041		
C	3172611	A		HARNESS ASSEMBLY	U	JPL	MR64	34	12	62	J	4200886		
B	4100049	A		PIN LOCATING	U	JPL	MR64	35	12	62	J	4101003		
B	4100143	A		GUSSET SUPPT STRUCT	U	JPL	MR64	35	01	63	J	4100152		
D	4100148	A		DOUBLE SUPPT STRUCT	U	JPL	MR64	35	12	62	J	4100336		
C	4100149	A		STIFFENER SUPP STRUT	U	JPL	MR64	35	01	63	J	4100335		
D	4100151	B		CHANNEL WELD STRUCT	U	JPL	MR64	35	12	62	J	4100336		
D	4100152	B		CHANNEL WELD STRUCT	U	JPL	MR64	35	12	62	J	4100336		
D	4100153	A		CHANNEL WELD STRUCT	U	JPL	MR64	35	12	62	J	4100151		
J	4100154	B		RING FLANGE OUTER	U	JPL	MR64	35	12	62	J	4100152		
C	4100155	A		BRACE PIVOT ARM	U	JPL	MR64	35	01	63	J	4100336		
J	4100159	A		REFLECT HI GAIN ANTT	U	JPL	MR64	35	12	62	J	4100321		
B	4100190	B		DOUBLER SUPPT STRUCT	U	JPL	MR64	35	12	62	J	4100151		
B	4100190	B		DOUBLER SUPPT STRUCT	U	JPL	MR64	35	12	62	J	4100152		
B	4100190	B		DOUBLER SUPPT STRUCT	U	JPL	MR64	35	12	62	J	4100330		
D	4100191	A		DOUBLER RING FLANGE	U	JPL	MR64	35	01	63	J	4100154		
D	4100194	A		RING FLANGE INNER	U	JPL	MR64	35	12	62	J	4100336		
C	4100195	A		STRIP INNER ANTENNA	U	JPL	MR64	35	01	63	J	4100321		
B	4100196	A		DOUBLER RING FLANGE	U	JPL	MR64	35	01	63	J	4100336		
D	4100198	A		STRIP OUTER SUPPT	U	JPL	MR64	35	12	62	J	4100321		
C	4100199	A		STRIP RADIAL ANTENNA	U	JPL	MR64	35	01	63	J	4100321		
J	4100200	B		LOUVER INSTALLATION	U	JPL	MR64	35	12	62	J	4901041		

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REV	DRAWING NO.	REV NO.	CLASS	TITLE	REV	CLASS	VENDOR CODE	RELEASE FOR MAJOR ITEM		REV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								SERIAL	THRU REV.		MO.	YR			
D	4100201		B	HOUSING ASSEMBLY	U	JPL	MR64			35	12	62	J	4100223	
D	4100202		B	HOUSING ASSEMBLY	U	JPL	MR64			35	12	62	J	4100223	
C	4100203		B	PLATE LOUVER END	U	JPL	MR64			35	01	63	J	4100223	
D	4100204		B	ACTUATOR ASSY LOUVER	U	JPL	MR64			35	01	63	J	4100419	
D	4100204		B	ACTUATOR ASSY LOUVER	U	JPL	MR64			35	01	63	J	4101060	
B	4100209		A	STOP LOUVER	U	JPL	MR64			35	12	62	J	4100201	
B	4100209		A	STOP LOUVER	U	JPL	MR64			35	12	62	J	4100202	
B	4100209		A	STOP LOUVER	U	JPL	MR64			35	12	62	J	4101064	
D	4100209		A	STOP LOUVER	U	JPL	MR64			35	12	62	J	4101065	
B	4100210		B	LOUVER ASSEMBLY COMP	U	JPL	MR64			35	01	63	J	4100419	
D	4100211		B	LOUVER ASSEMBLY	U	JPL	MR64			35	01	63	J	4100210	
B	4100213		B	HOUSING TRUST BEARNG	U	JPL	MR64			35	01	63	J	4100210	
C	4100214		A	BEARING ASSEMBLY	U	JPL	MR64			35	01	63	J	4100210	
C	4100214		A	BEARING ASSEMBLY	U	JPL	MR64			35	01	63	J	4101062	
B	4100215		A	SHAFT	U	JPL	MR64			35	01	63	J	4100214	
B	4100216		A	RETAINER SELF-LOCKNG	U	JPL	MR64			35	01	63	J	4100214	
B	4100217		A	WASHER	U	JPL	MR64			35	01	63	J	4100214	
B	4100218		A	BEARING	U	JPL	MR64			35	01	63	J	4100214	
B	4100219		A	PAD	U	JPL	MR64			35	01	63	J	4100214	
J	4100223		B	RACK INSTALLATION	U	JPL	MR64			35	01	63	J	4600457	
J	4100223		B	RACK INSTALLATION	U	JPL	MR64			35	01	63	J	4901054	
B	4100228		A	ACTUATOR SPIRAL COIL	U	JPL	MR64			35	01	63	J	4100204	
D	4400286			CHASS BOOSTER REG	U	JPL	MR64			35	12	62	J	4400285	
J	4400287			CB1 BOOSTER REG & PW	U	JPL	MR64			34	12	62	J	4400285	
	4400287	PL		BOOSTER REG & PW	U	JPL	MR64			35	12	62	J	4400287	
C	4400288			TRANSFORMER T1	U	JPL	MR64			35	12	62	J	4400285	
C	4400289			INDUCTOR L1	U	JPL	MR64			35	12	62	J	4400285	
C	4400290			TRANSFORMER T2	U	JPL	MR64			35	12	62	J	4400287	
B	4400291			SUBASSY-CAPACITOR	U	JPL	MR64			35	12	62	J	4400285	
J	4100311			RING MT OMNI ANTENNA	U	JPL	MR64			31	01	63	J	4101025	
C	4100317		A	TUBE SUPERSTRUCTURE	U	JPL	MR64			31	01	63	J	4101024	
C	4100317		A	TUBE SUPERSTRUCTURE	U	JPL	MR64				01	63	J	4101340	
J	4100320		B	ANTENNA 4FT ASSY	U	JPL	MR64			35	12	62	J	4101001	
J	4100321		A	REFLECT HI GAIN ANTI	U	JPL	MR64			35	12	62	J	4100320	
J	4100323		A	OUTER CONDUCTOR ASSY	U	JPL	MR64			35	01	63	J	4100322	
C	4100324		B	INNER CONDUCTOR ASSY	U	JPL	MR64			35	01	63	J	4100322	
C	4100325		A	CONDUCTOR INNER ANTE	U	JPL	MR64			35	01	63	J	4100324	
B	4100326		A	BLOCK SHORTING DIPOL	U	JPL	MR64			35	01	63	J	4100324	
D	4100327		A	CONDUCTOR OUTER ANT	U	JPL	MR64			35	01	63	J	4100323	
C	4100328		A	FEED DIPOLE ELEMENT	U	JPL	MR64			35	01	63	J	4100323	

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REV	DRAWING NO.	REV NO.	TITLE	REV	CLASS	VERSION CODE	RELEASE FOR MAJOR ITEM		REV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							SERIAL	THRU REV.		NO.	YY			
B	4100329		A SLEEVE FEED ELEMENT	U	JPL	MR64		35	01	63	J		4100323	
J	4100330		B SUPPORT PIVOT ARM	U	JPL	MR64		35	12	62	J		4100321	
C	4100331		A LONGERON ASSEMBLY	U	JPL	MR64		35	01	63	J		4100320	
B	4100332		A HIGH GAIN ANTENNA	U	JPL	MR64		35	01	63	J		4100331	
B	4100333		A STUD SLOTTED ANTENNA	U	JPL	MR64		35	01	63	J		4100331	
D	4100334		A HUB SUPPT STRUCT ANT	U	JPL	MR64		35	12	62	J		4100335	
J	4100335		A HUB ASSY HI GAIN ANT	U	JPL	MR64		35	12	62	J		4100336	
J	4100336		A SUPPT STRUCT ASSY	U	JPL	MR64		35	12	62	J		4100321	
B	4100337		A SCREW SHORTING BLOCK	U	JPL	MR64		35	01	63	J		4100322	
B	4100339		A SLEEVE INSUL ANTENNA	U	JPL	MR64		35	01	63	J		4100335	
J	4100340		A TRUSS SECTION 3 ASSY	U	JPL	MR64		31	01	63	J		4101002	
C	4100341		B FITTING TRUSS SEC 3	U	JPL	MR64		31	01	63	J		4100340	
D	4100342		A FITTING TRUSS SEC 3	U	JPL	MR64		31	01	63	J		4100340	
C	4100351		A FITTING TRUSS SEC 1	U	JPL	MR64		31	01	63	J		4101024	
D	4100352		A FITTING TRUSS SEC 1	U	JPL	MR64		31	01	63	J		4101024	
D	4100353		A FITTING TRUSS SEC 1	U	JPL	MR64		31	01	63	J		4101024	
C	4100354		A BRKT-INFRA RED SHILD	U	JPL	MR64		31	01	63	J		4101024	
C	4100355		A GUSSET TRUSS SEC 1	U	JPL	MR64		31	01	63	J		4101024	
D	4100358		A FITTING TRUSS ASSY	U	JPL	MR64		31	01	63	J		4100360	
D	4100359		A FITTING TRUSS LOWER	U	JPL	MR64		31	01	63	J		4100360	
J	4100360		A TRUSS SECTION 2 ASSY	U	JPL	MR64		31	01	63	J		4101002	
J	4100370		B PLATE , ASSEMBLY	U	JPL	MR64		31	01	63	J		4101002	
D	4100371		A JOINT PLATE SUPERSTR	U	JPL	MR64		31	01	63	J		4100370	
C	4100372		A JOINT PLATE SUPERSTR	U	JPL	MR64		31	01	63	J		4100370	
J	4100380		D SUPPORT A&D SC MACH	U	JPL	MR64		35	01	63	J		4101003	
J	4100381		C SUPPORT B&E SC MACH	U	JPL	MR64		35	12	62	J		4101003	
J	4100382		C SUPPORT A SC MACHING	U	JPL	MR64		35	01	63	J		4101003	
C	4100386		A FITTING	U	JPL	MR64		35	12	62	J		4101003	
C	4100387		A TUBE	U	JPL	MR64		35	12	62	J		4101003	
C	4100388		A STIFFENER DIAGONAL	U	JPL	MR64		35	12	62	J		4101003	
C	4100389		A BRKT ARMING SWITCH	U	JPL	MR64		35	12	62	J		4101003	
D	4100390		A BACKTIE	U	JPL	MR64		35	12	62	J		4101003	
B	4100391		A TUBE STRUCT K BRACE	U	JPL	MR64		35	12	62	J		4101003	
D	4100392		A BRACKET K BRACE	U	JPL	MR64		35	12	62	J		4101003	
D	4100393		A BRACKET K BRACE	U	JPL	MR64		35	12	62	J		4101003	
B	4100394		A END FITTING STRUCT K	U	JPL	MR64		35	12	62	J		4101391	
C	4100395		A FITTING TUBE	U	JPL	MR64		35	12	62	J		4101003	
B	4100396		A BRKT REFERENCE PLATE	U	JPL	MR64		35	12	62	J		4101003	
C	4100397		A BRKT ARMING SWITCH	U	JPL	MR64		35	12	62	J		4101003	
B	4100399		A ADAPTER SUN GATE	U	JPL	MR64		35	12	62	J		4101003	

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							ORIGINAL	THRU REV.					
B	4100418		A	MIRROR ACTUATION IND	U	JPL MR64			35	01 63	J	4100419	
J	4100419		A	LOUVER INSTALLATION	U	JPL MR64			35	01 63	J	4101001	
B	4100429		A	MIRROR	U	JPL MR64			35	01 63	J	4100418	
D	4100436		A	GROUND PLANE ASSY	U	JPL MR64			35	01 63	J	4100323	
D	4100437		A	HUB GROUND PLANE ANT	U	JPL MR64			35	01 63	J	4100436	
B	4100438		A	INSULATOR HI GAIN	U	JPL MR64			35	01 63	J	4100324	
C	4100439		A	DOUBLER PIVOT ARM	U	JPL MR64			35	12 62	J	4100336	
B	4100440		A	TRANSFORMER GOAXIAL	U	JPL MR64			35	01 63	J	4100324	
B	4100446		A	BRKT , TRUSS SECT 11	U	JPL MR64			31	01 63	J	4100360	
J	4100511			BODY FUEL MANIFOLD	U	JPL MR64			35	12 62	J	4700510	
D	4100516			TANK SHELL NITROGEN	U	JPL MR64			35	12 62	J	4700515	
J	4100517			MANIFOLD BDY NITRO	U	JPL MR64			35	12 62	J	4700515	
D	4100518			BODY NITRO VALVE	U	JPL MR64			35	12 62	J	4700563	
D	4100529			CARTRIDGE OXI ASSY	U	JPL MR64			35	12 62	J	4700528	
D	4100531			CARTRIDGE OXI WELDMT	U	JPL MR64			35	12 62	J	4700529	
C	4100533			FITTING OXIDIZER	U	JPL MR64			35	12 62	J	4700532	
D	4100534			BODY VALVE ASSEMBLY	U	JPL MR64			35	12 62	J	4700532	
C	4100535			NUT COUPLING	U	JPL MR64			35	12 62	J	4700532	
D	4100537			BODY FILL VALVE	U	JPL MR64			35	12 62	J	4700519	
D	4100537			BODY FILL VALVE	U	JPL MR64			35	12 62	J	4700536	
C	4100542			BRKT ELECTRICAL	U	JPL MR64			35	12 62	J	4700541	
J	4100549			VALVE FUEL 2- WAY	U	JPL MR64			35	12 62	J	4700505	
J	4100550			BODY FUEL VALVE 2-WY	U	JPL MR64			35	12 62	J	4700549	
D	4100552			ADAPTER ENGINE FLANG	U	JPL MR64			35	12 62	J	4700527	
C	4100553			CLAMP OXIDIZER	U	JPL MR64			35	12 62	J	4700527	
J	4101003			HEX STRUCTURE ASSY	U	JPL MR64			35		O	4101002	
J	4101010		A	SUPT , C SPACECRAFT	U	JPL MR64			35	01 63	J	4101003	
C	4101011			FITTING FOOT C	U	JPL MR64			35	12 62	J	4101003	
J	4101021			BRKT ATTITUDE CONTRL	U	JPL MR64			35	12 62	J	4101003	
D	4101023			FITTING TRUSS SEC 1	U	JPL MR64			31	01 63	J	4101024	
J	4101024			TRUSS SECTION 1 ASSY	U	JPL MR64			31	01 63	J	4101002	
J	4101025			MAG SUPPORT ASSY	U	JPL MR64			35		O	4101002	
D	4101026			BRACE HEX STRUCT	U	JPL MR64			35	01 63	J	4101003	
J	4101027			PLATE STA 438.281	U	JPL MR64			35		O	4101002	
C	4101028			LATCH UPPER SOL PNL	U	JPL MR64			35		O	4101001	
C	4101029			LINK LATCH SOL PNL	U	JPL MR64			35		O	4101028	
C	4101030			BOLT EYE SOL PNL	U	JPL MR64			35		O	4101028	
B	4101031			BRKT PIN PULLER	U	JPL MR64			35		O	4101028	
B	4101032			RETAINER LATCH	U	JPL MR64			35		O	4101028	
J	4101033			SHIELD THERMAL ASSY	U	JPL MR64			35		O	4101002	

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							ORIGINAL	THRU REV.					
J	4101040			FEED ASSY HI GAIN	U	JPL MR64			35		O	4101040	
C	4101041			CAP CONDUCTOR	U	JPL MR64			35		O	4101040	
J	4101042			OUTER CONDUCTOR	U	JPL MR64			35		O	4101040	
C	4101043			SHELL CONNECTOR	U	JPL MR64			35		O	4101042	
D	4101044			OUTER CONDUCTOR	U	JPL MR64			35		O	4101042	
C	4101045			FEED DIPOLE ELEMENT	U	JPL MR64			35		O	4101042	
B	4101046			SLEEVE FEED ELEMENT	U	JPL MR64			35		O	4101042	
D	4101047			GROUND PLANE ASSY	U	JPL MR64			35		O	4101042	
D	4101048			PLANE GROUND	U	JPL MR64			35		O	4101047	
D	4101049			STIFFENER GROUND PLN	U	JPL MR64			35		O	4101047	
D	4101050			HUB GROUND PLANE	U	JPL MR64			35		O	4101047	
C	4101051			INNER CONNECTOR ASSY	U	JPL MR64			35		O	4101040	
C	4101052			PLUG INNER CONDUCTOR	U	JPL MR64			35		O	4101051	
B	4101053			STUD	U	JPL MR64			35		O	4101051	
C	4101054			CONDUCTOR INNER	U	JPL MR64			35		O	4101051	
B	4101055			BLOCK SHURTING	U	JPL MR64			35		O	4101051	
B	4101056			INSULATOR	U	JPL MR64			35		O	4101051	
B	4101057			TRANSFORMER COAXIAL	U	JPL MR64			35		O	4101051	
B	4101058			SCREW SHORTING BLOCK	U	JPL MR64			35		O	4101040	
D	4101060			LOUVER INST BATTERY	U	JPL MR64			35	01 63	J	4101001	
D	4101061			RACK INST BATTERY	U	JPL MR64			35	01 63	J	4400391	
D	4101062			LOUVER ASSEMBLY COMP	U	JPL MR64			35	01 63	J	4101060	
D	4101063			LOUVER ASSEMBLY	U	JPL MR64			35	01 63	J	4101062	
D	4101064			HOUSING ASSEMBLY L H	U	JPL MR64			35	01 63	J	4101061	
D	4101065			HOUSING ASSEMBLY R H	U	JPL MR64			35	01 63	J	4101061	
C	4101066			PLATE END	U	JPL MR64			35	01 63	J	4101061	
C	4200004		A	SHIELD LIGHT ADJ #1	U	JPL MR64			31	10 62	J	4200002	
C	4200005		A	SHIELD LIGHT ADJ #2	U	JPL MR64			31	10 62	J	4200002	
D	4200025		B	SCHEMATIC	U	JPL MR64			34	08 62	J	4200033	
J	4200033		D	ACCELEROMETER & ELEC	U	JPL MR64			35	12 62	J	4901041	
J	4200034		B	CB	U	JPL MR64			34	08 62	J	4200033	
D	4200035		A	ART WORK CB1	U	JPL MR64			34	08 62	J	4200034	
D	4200036		A	CB	U	JPL MR64			34	08 62	J	4200033	
D	4200037		A	ART WORK CB2	U	JPL MR64			34	02 61	J	4200025	
J	4200038		B	SUBCHASSIS	U	JPL MR64			34	06 61	J	4200033	
D	4200044		A	SHELL NITROGEN TANK	U	JPL MR64			34	11 62	J	4201060	
D	4200045		D	SCHEMATIC	U	JPL MR64			34	08 61	J	4200053	
D	4200045		D	SCHEMATIC DIA	U	JPL MR64			34	08 61	J	4200048	
B	4200046		B	TRANSFORMER	U	JPL MR64			34	07 61	J	4200053	
D	4200048		A	CB1	U	JPL MR64			34	09 61	J	4200053	

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								SERIAL	THRU SER.		NO.	TH			
D	4200049		A	CB2			U	JPL	MR64		34	08	61	J	4200053
D	4200050		C	PC TB 1			U	JPL	MR64		34	02	62	J	4200048
J	4200051		D	PC TB2			U	JPL	MR64		34	02	62	J	4200049
D	4200052		C	SUBCHASSIS ASSY			U	JPL	MR64		34	05	62	J	4200053
D	4200053		C	7A19 CELEST RELAY&PW			U	JPL	MR64		35	12	62	J	4901041
D	4200138		C	HOLDER ASSY MANEUVER			U	JPL	MR64		34	05	61	J	4200521
C	4200168			RELAY STRAP			U	JPL	MR64		34	05	61	J	4200533
C	4200168			RELAY STRAP			U	JPL	MR64		34	05	61	J	4200503
B	4200263		B	XFORMER PWR CONVERTR			U	JPL	MR64		34	06	62	J	4200563
J	4200301		C	SUBCHASSIS GYRO			U	JPL	MR64		34	09	62	J	4100300
D	4200302		B	CAPACITOR SUBASSY 1			U	JPL	MR64		34	10	62	J	4200300
J	4200306		C	CB1 ASSY			U	JPL	MR64		34	09	62	J	4200300
A	4200306	PL	C	CB1 GYRO CONTROL			U	JPL	MR64		34	09	62	J	4200306
J	4200307		C	CB1 PRINTED CIRCUITY			U	JPL	MR64		34	09	62	J	4200306
J	4200308		D	CB 2 ASSY			U	JPL	MR64		34	10	62	J	4200300
A	4200308	PL	C	CB2 GYRO CONTROL			U	JPL	MR64		34	09	62	J	4200308
J	4200309		E	CB2 PRINTED CIRCUITY			U	JPL	MR64		34	10	62	J	4200308
J	4200310		D	CB 3 ASSY			U	JPL	MR64		34	10	62	J	4200308
A	4200310	PL	D	CB3 GYRO CONTROL			U	JPL	MR64		34	10	62	J	4200310
J	4200311		E	CB3 PRINTED CIRCUITY			U	JPL	MR64		34	10	62	J	4200310
J	4200312		D	CB 4 ASSY			U	JPL	MR64		34	10	62	J	4200300
A	4200312		D	CB4 GYRO CONTROL			U	JPL	MR64		34	10	62	J	4200312
J	4200325		C	SCHEMATIC DIA			U	JPL	MR64		34	01	62	J	4200352
B	4200348		A	TRANSFORMER			U	JPL	MR64		35	07	61	J	4200053
D	4200350			SWITCH AMPL SUBCHASS			U	JPL	MR64		34	09	61	J	4200351
D	4200351		B	SW AMPL LOGIC 7A18			U	JPL	MR64		34	02	62	J	4901041
J	4200352		B	CKT BD 1 ASSY SW AMP			U	JPL	MR64		34	02	62	J	4200351
A	4200352	PL	B	CB1 SW AMPLFIR LOGIC			U	JPL	MR64		34	02	62	J	4200352
J	4200353		B	CB1 PC SW AMPL&LOGIC			U	JPL	MR64		34	02	62	J	4200352
J	4200354		B	CKT BD SW AMPL			U	JPL	MR64		34	02	62	J	4200351
A	4200354	PL	B	CB2 SW AMPLFIR LOGIC			U	JPL	MR64		34	02	62	J	4200354
J	4200355		A	CB2 PC SW AMPLIFIER			U	JPL	MR64		34	09	61	J	4200354
B	4200370			TRANSFORMER			U	JPL	MR64		34	07	61	J	4200053
D	4200368		C	7A1 ATT CONT SUBASSY			U	JPL	MR64		35	12	62	J	4901041
J	4200408		G	SCHEMATIC LONG RANGE			U	JPL	MR64		34	02	63	J	4200596
J	4200409		A	CB4 PRE-AMP&PULSE			U	JPL	MR64		34	02	63	J	4200410
A	4200409	PL	C	CB4 PRE-AMP & PULSE			U	JPL	MR64		34	11	62	J	4200409
C	4200410		A	CB14CB4 SUBASSEMBLY			U	JPL	MR64		34	01	62	J	4200596
J	4200411		CB4	PC PRE-AMP&PULSE			U	JPL	MR64		34	01	62	J	4200409
J	4200412		A	CB1 HIGH VOLT&LOW			U	JPL	MR64		34	02	63	J	4200410

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								SERIAL	THRU SER.		NO.	TH			
J	4200413			CB1 PC HIGH VOLT&LOW			U	JPL	MR64		34	01	62	J	4200412
J	4200414		A	CB2 ASSY PULSE DEMOD			U	JPL	MR64		34	02	63	J	4200415
C	4200415		A	CB2 & CB3 SUBASSY			U	JPL	MR64		34	03	62	J	4200596
J	4200416		C	CB2 PC PULSE DEMOD			U	JPL	MR64		34	01	62	J	4200414
J	4200417		A	CB3 REED DRIVE ELECT			U	JPL	MR64		34	02	63	J	4200415
A	4200417	PL	D	CB3 REED DRIVE ELECT			U	JPL	MR64		34	11	62	J	4200417
J	4200418		C	CB3 PC REED DR ELECT			U	JPL	MR64		34	01	62	J	4200417
J	4200500		B	SCHEM DIA CC65			U	JPL	MR64		34	08	62	J	4200502
J	4200500		B	LAUNCH COUNTER			U	JPL	MR64		34	08	62	J	4200503
A	4200501	PL	C	CB1 LAUNCH COUNTER			U	JPL	MR64		34	08	62	J	4200501
J	4200501		B	CB1 ASSY LAUNCH CNTR			U	JPL	MR64		34	08	62	J	4200503
A	4200502	PL	B	CB2 LAUNCH COUNTER			U	JPL	MR64		34	08	62	J	4200502
J	4200502		B	CB2 ASSY LAUNCH CTR			U	JPL	MR64		34	08	62	J	4200503
D	4200503		B	5A2 CC65 LAUNCH CNTR			U	JPL	MR64		34	08	62	J	4901041
D	4200504		A	SUBCHASS LAUNCH COUT			U	JPL	MR64		34	08	62	J	4200503
J	4200505		A	CB1 PC LAUNCH COUNTER			U	JPL	MR64		34	08	62	J	4200501
J	4200506		A	CB2 PC LAUNCH COUNTER			U	JPL	MR64		34	08	62	J	4200502
D	4200508			CC65 ARRANGEMENT			U	JPL	MR64		34	08	62	J	4200502
J	4200509		A	CASE HARNESS SCHEM			U	JPL	MR64		34	08	62	J	4200512
J	4200510		B	CENTRAL CLOCK SCHEM			U	JPL	MR64		34	07	62	J	4200513
J	4200510		B	CENTRAL CLOCK SCHEM			U	JPL	MR64		34	07	62	J	4200513
J	4200510		B	CENTRAL CLK SUBAS			U	JPL	MR64		34	08	62	J	4200511
J	4200511		B	CB1 ASSY CENTRAL CLK			U	JPL	MR64		34	08	62	J	4200513
A	4200511	PL	C	CB1 CENTRAL CLOCK			U	JPL	MR64		34	08	62	J	4200511
J	4200512		B	CB2 ASSY CENT CLOCK			U	JPL	MR64		34	08	62	J	4200513
A	4200512	PL	D	CB2 CENTRAL CLOCK			U	JPL	MR64		34	08	62	J	4200512
D	4200513		C	5A1 CC65 CENTRAL CLK			U	JPL	MR64		34	08	62	J	4901041
D	4200514		A	SUBCHAS CENTRAL CLK			U	JPL	MR64		34	08	62	J	4200513
J	4200515		B	PC CB1 CENTRAL CLOCK			U	JPL	MR64		34	08	62	J	4200511
J	4200516		A	CB2 PC CENTRAL CLOCK			U	JPL	MR64		34	08	62	J	4200512
J	4200520		B	MANEUVR CLK SCHEM DIA			U	JPL	MR64		34	08	62	J	4200521
J	4200520		B	MANEUVER CLOCK SCHEM			U	JPL	MR64		34	08	62	J	4200522
J	4200520		B	MANEUVER CLOCK SCHEM			U	JPL	MR64		34	08	62	J	4200523
J	4200521		B	CB1 ASSY MANEUVR CLK			U	JPL	MR64		34	08	62	J	4200523
A	4200521	PL	B	CB1 MANEUVER CLOCK			U	JPL	MR64		34	08	62	J	4200521
J	4200522		B	CB2 ASSY MANEUVR CLK			U	JPL	MR64		34	08	62	J	4200523
A	4200522	PL	B	CB2 MANEUVER CLOCK			U	JPL	MR64		34	08	62	J	4200522
D	4200523		B	5A4 CC65 MAN CLOCK			U	JPL	MR64		34	08	62	J	4901041
D	4200524		A	SUBCHASS MANEUVER			U	JPL	MR64		34	08	62	J	4200523
J	4200525		A	CB1 PC MANEUVER DUR			U	JPL	MR64		34	08	62	J	4200521

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								MAJOR ITEM	THIRD REV.						
J	4200526		A	PC CB2 MANEUV CLOCK	U	JPL	MR64			34	05	62	J	4200524	
J	4200530		B	ADDRESS REGIS SCHEM	U	JPL	MR64			34	07	62	J	4200531	
J	4200530		C	ADDRESS REG SCHEM	U	JPL	MR64			34	08	62	J	4200532	
J	4200530		C	ADDRESS REG SCHEM	U	JPL	MR64			34	08	62	J	4200533	
A	4200531	PL	B	CB1 ADDRESS REGISTER	U	JPL	MR64			34	08	62	J	4200531	
J	4200531		A	CB1 ASSY MANEUV OUP	U	JPL	MR64			34	08	62	J	4200533	
A	4200532	PL	C	CB2 ADDRESS REGISTER	U	JPL	MR64			34	08	62	J	4200532	
J	4200532		A	CB2 ADDRESS REGISTER	U	JPL	MR64			34	08	62	J	4200533	
D	4200533		C	5A6 CC6S ADDRESS REG	U	JPL	MR64			34	08	62	J	4901041	
D	4200534		A	SUBCHASSIS ADD REG	U	JPL	MR64			34	08	62	J	4200533	
J	4200535		A	CB1 PC MD OUTPUT	U	JPL	MR64			34	08	62	J	4200531	
J	4200536		A	CB2 PC MD OUTPUT	U	JPL	MR64			34	08	62	J	4200532	
D	4200537		C	SUBCHASS END COUNTER	U	JPL	MR64			34	08	62	J	4200573	
J	4200538		D	CB1 ASSY END COUNTER	U	JPL	MR64			34	08	62	J	4200573	
A	4200538	PL	D	CB1 END COUNTER	U	JPL	MR64			34	08	62	J	4200538	
J	4200539		D	CB2 ASSY END COUNTER	U	JPL	MR64			34	08	62	J	4200573	
A	4200539	PL	B	CB2 END COUNTER	U	JPL	MR64			34	08	62	J	4200539	
J	4200540		B	MANEUVR DUR SCHEM DIA	U	JPL	MR64			34	08	62	J	4200541	
J	4200540		B	MANEUVR DUR SCHEM	U	JPL	MR64			34	08	62	J	4200542	
J	4200540		B	MANEUVR DUR SCHEM	U	JPL	MR64			34	08	62	J	4200543	
A	4200541	PL	B	CB1 MANEUVR DURATON	U	JPL	MR64			34	08	62	J	4200541	
J	4200541		B	CB1 ASSY MANEUVR DUR	U	JPL	MR64			34	08	62	J	4200543	
A	4200542	PL	B	CB2 MANEUVR DURATON	U	JPL	MR64			34	08	62	J	4200542	
J	4200542		B	CB2 ASSY MANEUVR DUR	U	JPL	MR64			34	08	62	J	4200543	
D	4200543		B	5A5 CC6S MAN DURATN	U	JPL	MR64			34	08	62	J	4901041	
D	4200544		A	SUBCHASS MANEUVR	U	JPL	MR64			34	08	62	J	4200543	
J	4200545		A	CB1 PC MANEUVR DJRAT	U	JPL	MR64			34	08	62	J	4200541	
J	4200546		A	CB2 PC MANEUVR DUR	U	JPL	MR64			34	08	62	J	4200542	
J	4200550		B	INPUT DECOD SCHEM	U	JPL	MR64			34	08	62	J	4200551	
J	4200550		B	INPUT DECODER SCHEM	U	JPL	MR64			34	08	62	J	4200552	
J	4200550		B	INPUT DECODER SCHEM	U	JPL	MR64			34	08	62	J	4200553	
A	4200551	PL	B	CB1 INPUT DECODER	U	JPL	MR64			34	08	62	J	4200551	
J	4200551		A	CB1 ASSY INPUT DECOD	U	JPL	MR64			34	08	62	J	4200553	
A	4200552	PL	B	CB2 INPUT DECODER	U	JPL	MR64			34	08	62	J	4200552	
J	4200552		A	CB2 ASSY INPT DECODR	U	JPL	MR64			34	08	62	J	4200553	
D	4200553		C	5A7 CC6S INPUT DECOD	U	JPL	MR64			34	08	62	J	4901041	
D	4200554		A	SUBCHAS INPUT DECODE	U	JPL	MR64			34	08	62	J	4200553	
J	4200555		A	CB1 PC INPUT DECODER	U	JPL	MR64			34	08	62	J	4200551	
J	4200556		A	CB2 PC INPUT DECODER	U	JPL	MR64			34	08	62	J	4200552	
D	4200557		A	CB2 XFORMER RECT	U	JPL	MR64			34	08	62	J	4200563	

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								MAJOR ITEM	THIRD REV.						
A	4200557	PL	B	CB2 TRANSFORMER RECT	U	JPL	MR64			34	08	62	J	4200557	
B	4200558		A	TRANSFLUXOR TM10	U	JPL	MR64			34	08	62	J	4200573	
J	4200559		A	CB2 PC XFMR RECTIF	U	JPL	MR64			34	08	62	J	4200557	
D	4200560		D	TRANSFORMER SCHEM	U	JPL	MR64			34	08	62	J	4200563	
D	4200560		D	XFORMER RECT SCHEM	U	JPL	MR64			34	08	62	J	4200557	
A	4200561	PL	C	CB1 TRANSFORMER RECT	U	JPL	MR64			34	08	62	J	4200561	
D	4200561		B	CB1 XFORMER RECTIFIER	U	JPL	MR64			34	08	62	J	4200563	
J	4200562		B	CB1 PC XFMR RECTIF	U	JPL	MR64			34	08	62	J	4200561	
D	4200563		D	5A8 CC6S XFMR RECT	U	JPL	MR64			34	08	62	J	4901041	
D	4200564		B	SUBCHAS XFORMER RECT	U	JPL	MR64			34	08	62	J	4200563	
B	4200565			BRACKET DIODE XFMR	U	JPL	MR64			34	01	62	J	4200563	
C	4200566		A	STRAP RELAY CC6S	U	JPL	MR64			34	08	62	J	4200563	
B	4200567			INDUCTOR XFMR RECT	U	JPL	MR64			34	01	62	J	4200563	
B	4200568			INSULATION BD XFMR	U	JPL	MR64			34	01	62	J	4200563	
B	4200569		A	INDUCTOR BRKT XFORME	U	JPL	MR64			34	08	62	J	4200563	
J	4200570		D	END COUNTER CC6S	U	JPL	MR64			34	08	62	J	4200573	
J	4200570		D	END COUNTER SCHEM	U	JPL	MR64			34	08	62	J	4200538	
J	4200570		D	END COUNTER SCHEM	U	JPL	MR64			34	08	62	J	4200539	
J	4200571		B	CB1	U	JPL	MR64			34	08	62	J	4200538	
J	4200572		A	CB2 PC END COUNTER	U	JPL	MR64			34	08	62	J	4200539	
D	4200573		B	5A3 CC6S END COUNTER	U	JPL	MR64			34	07	62	J	4901041	
A	4200573	PL2	C	CB1 END COUNTER	U	JPL	MR64			34	07	62	J	4200573	
A	4200573		A	CB2 END COUNTER	U	JPL	MR64			34	01	62	J	4200573	
B	4200574	PL5	A	TRANSFLUXOR TM7	U	JPL	MR64			34	05	62	J	4200573	
B	4200575		B	TRANSFLUXOR TM8	U	JPL	MR64			34	08	62	J	4200573	
B	4200576		A	TRANSFLUXOR TM9	U	JPL	MR64			34	08	62	J	4200573	
J	4200596		C	ELECTRONIC ASSY	U	JPL	MR64			34	06	62	J	4800370	
C	4200597			MAGNETIC SHIELD	U	JPL	MR64			34	01	62	J	4200410	
C	4200597			MAGNETIC SHIELD	U	JPL	MR64			34	01	62	J	4200415	
C	4200598			XFORMER MTG BRACKET	U	JPL	MR64			34	01	62	J	4200596	
C	4200599			H V XFORMER MTG BRKT	U	JPL	MR64			34	01	62	J	4200596	
D	4200630		A	SHIELD REG WELDMENT	U	JPL	MR64			34	11	62	J	4201062	
C	4200635		A	COVER TCP SHIELD REG	U	JPL	MR64			34	11	62	J	4200630	
C	4200638			TB SW AMPLIFIER LOGIC	U	JPL	MR64			34	02	62	J	4200640	
C	4200638			TERM BD SW AMPL LOG	U	JPL	MR64			34	02	62	J	4200639	
C	4200638			TB SW AMPLIFIER LOGIC	U	JPL	MR64			34	02	62	J	4200639	
C	4200639			CKT BD 3 ASSY SW AMP	U	JPL	MR64			34	02	62	J	4200351	
C	4200640			CB4SW AMPLIFIER LOGIC	U	JPL	MR64			34	02	62	J	4200351	
C	4200641			CKT BD 5 SW AMPL	U	JPL	MR64			34	02	62	J	4200351	
C	4200642		A	COVER, ALIGNMENT	U	JPL	MR64			34	12	62	J	4901041	

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REV	DRAWING NO.	BATCH NO.	REV	TITLE	REV	CLASS	REVISION CODE	RELEASE FOR MAJOR ITEM		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								SERIAL	THRU SER.		NO.	YY			
D	4200822		A	HOUSING PHOTOMULTPLR	U	JPL	MR64			34	02	63	J	4800369	
C	4200823			STEM RESISTOR BLOCK	U	JPL	MR64			34	06	62	J	4200826	
C	4200824		A	UPPER TERMINAL PLATE	U	JPL	MR64			34	02	63	J	4200826	
C	4200825		A	LOWER TERMINAL PLATE	U	JPL	MR64			34	02	63	J	4200826	
C	4200826		D	PHOTOMULT TUBE ASSY	U	JPL	MR64			34	02	63	J	4200822	
C	4200827		A	COIL ASSY	U	JPL	MR64			34	02	63	J	4800369	
D	4200828		A	MAGNET ASSEMBLY	U	JPL	MR64			34	02	63	J	4800369	
D	4200829		A	BASE COIL	U	JPL	MR64			34	02	63	J	4200827	
C	4200830			SCREW RAIL	U	JPL	MR64			34	06	62	J	4800369	
C	4200831			RAIL	U	JPL	MR64			34	06	62	J	4800369	
C	4200832			HOUSING LENS	U	JPL	MR64			34	06	62	J	4200848	
C	4200833			SHADE LIGHT	U	JPL	MR64			34	06	62	J	4200848	
C	4200834			BRACKET TRANSDUCER	U	JPL	MR64			34	06	62	J	4800369	
C	4200836			BRACKET CONNECTOR	U	JPL	MR64			34	06	62	J	4200596	
C	4200837			BRKT BOARD ATTACH	U	JPL	MR64			34	06	62	J	4200596	
D	4200838			REED CHOPPER DRIVE	U	JPL	MR64			34	06	62	J	4800369	
C	4200839			NUTPLATE CONNECTOR	U	JPL	MR64			34	06	62	J	4200596	
C	4200840			SPACER LENS	U	JPL	MR64			34	06	62	J	4800370	
C	4200841			FRAME CHOPPER & COIL	U	JPL	MR64			34	06	62	J	4800369	
D	4200842		B	CHOPPER	U	JPL	MR64			34	02	63	J	4800369	
D	4200843			MOUNT REEDS	U	JPL	MR64			34	06	62	J	4800369	
C	4200844			BEARING PLATE	U	JPL	MR64			34	06	62	J	4800369	
C	4200845			PICKOFF CHOPPER DR	U	JPL	MR64			34	06	62	J	4200852	
J	4200846		A	COVER BRAZEMENT	U	JPL	MR64			34	08	62	J	4200596	
D	4200847			HOUSING CHOPPER DR	U	JPL	MR64			34	06	62	J	4800369	
C	4200848			LENS ASSEMBLY	U	JPL	MR64			34	06	62	J	4800370	
C	4200849			STANDOFF BOARD MOUNT	U	JPL	MR64			34	06	62	J	4200596	
D	4200850		A	HOUSING PHOTOMULTPLR	U	JPL	MR64			34	02	63	J	4200822	
C	4200852			METRISITE REWORK	U	JPL	MR64			34	06	62	J	4800369	
C	4200853			NUTPLATE	U	JPL	MR64			34	06	62	J	4800370	
B	4200855			WINDOW PHOTOMULTIPLR	U	JPL	MR64			34	06	62	J	4200822	
B	4200856			INSULATING CUP	U	JPL	MR64			34	06	62	J	4200822	
B	4200857			WASHER PHOTOMULTIPLR	U	JPL	MR64			34	06	62	J	4200822	
C	4200858			SHIELD	U	JPL	MR64			34	06	62	J	4800822	
C	4200859			INSULATOR PHOTOMULT	U	JPL	MR64			34	06	62	J	4200822	
C	4200860			CAP PHOTOMULT TUBE	U	JPL	MR64			34	06	62	J	4200822	
C	4200861			MOUNT MAGNET	U	JPL	MR64			34	06	62	J	4800369	
C	4200862			SHIELD INSTALLATION	U	JPL	MR64			34	06	62	J	4200822	
C	4200863			LOCATOR BASE	U	JPL	MR64			34	06	62	J	4800370	
B	4200864			ADJUSTING SCREW	U	JPL	MR64			34	06	62	J	4800369	

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								SERIAL	THRU SER.		NO.	YY			
C	4200865			PLUG POT ADJUST HOLE	U	JPL	MR64			34	06	62	J		
J	4200866			OUTLINE	U	JPL	MR64			34	06	62	J	4800370	
C	4200868			LENS COVER	U	JPL	MR64			34	06	62	J	4800370	
J	4200872			CASE LONG RANGE SENS	U	JPL	MR64			34	06	62	J	4800370	
C	4200873			STRAP RAIL	U	JPL	MR64			34	06	62	J	4800369	
J	4200885			ANTENNA DRIVE ASSY	U	JPL	MR64			34	10	62	J	4101001	
J	4200886			GEAR TRAIN ASSEMBLY	U	JPL	MR64			34	10	62	J	4200885	
D	4200887			YOKE ADAPTER ASSY	U	JPL	MR64			34	10	62	J	4200885	
D	4200888			PLATE ADAPTER	U	JPL	MR64			34	10	62	J	4200887	
D	4200889			TEE ADAPTER	U	JPL	MR64			34	10	62	J	4200887	
J	4200892			YOKE	U	JPL	MR64			34	10	62	J	4200885	
C	4200893			SHIM ADAPTER	U	JPL	MR64			34	10	62	J	4200887	
J	4201036		A	GYRO CONTROL SCHEM	U	JPL	MR64			34	10	62	J	4200300	
J	4201037			CB4 PRINTED CIRCUITY	U	JPL	MR64			34	09	62	J	4200312	
A	4201038			ENCAPSULATING CAP	U	JPL	MR64			34	09	62	J	4200300	
A	4201038			ENCAPSULATING CAP	U	JPL	MR64			34	09	62	J	4200302	
A	4201038			ENCAPSULATING CAP	U	JPL	MR64			34	09	62	J	4200303	
B	4201039			SLEEVE INSULATOR	U	JPL	MR64			34	09	62	J	4200300	
B	4201040			WASHER INSULATOR	U	JPL	MR64			34	09	62	J	4200300	
B	4201041		B	SLEEVE INSULATOR	U	JPL	MR64			34	09	62	J	4100300	
B	4201042		A	WASHER INSULATOR	U	JPL	MR64			34	09	62	J	4100300	
B	4201044		A	BUSHING BOTTLE BRKT	U	JPL	MR64			34	11	62	J	4200588	
D	4201052			MANIFOLD YAW JETS	U	JPL	MR64			34	12	62	J	4201053	
D	4201053			YAW JETS & ASSY	U	JPL	MR64			34	12	62	J	4201060	
D	4201054			MANIFOLD ROLL&PITCH	U	JPL	MR64			34	12	62	J	4201055	
D	4201055			ROLL JETS & ASSY	U	JPL	MR64			34	12	62	J	4201060	
C	4201056			NOZZLE BLANK	U	JPL	MR64			34	11	62	J	4201057	
D	4201057			NOZZLE JET	U	JPL	MR64			34	11	62	J	4201060	
C	4201058			BRK SUPPORT YAW JET	U	JPL	MR64			34	11	62	J	4101033	
D	4201059			BLK DIAG ATTITUDE	U	JPL	MR64			34	11	62	J	4201060	
J	4201060			SYS GAS ATT CONTROL	U	JPL	MR64			34	11	62	J	4101001	
D	4201063			ADAPTER FILTER	U	JPL	MR64			34	01	63	J	4201053	
D	4201063			ADAPTER FILTER	U	JPL	MR64			34	01	63	J	4201055	
J	4201074		A	SCHEMATIC PYRO CONT	U	JPL	MR64			35	01	63	J	4201096	
D	4201075			CB1 ASSY PYRO CONT	U	JPL	MR64			35			O	4201097	
D	4201076			TB1 PYROTECHNIC CONT	U	JPL	MR64			35			O	4201075	
D	4201077			RELAY CONTAINER 1	U	JPL	MR64			35			O	4201075	
J	4201084			CB2 PRINTED CIRCUIT	U	JPL	MR64			35			O	4201098	
C	4201085			CB3 ASSY PYRO CONT	U	JPL	MR64			35			O	4201097	
C	4201086			TB3 PYROTECHNIC CONT	U	JPL	MR64			35			O	4201085	

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							MAJOR ITEM	THRU REV						
C	4201087			CB4 ASSY PYRO CONT	U	JPL	MR64		35	12	62	0		4201097
C	4201088			TB4 PYROTECHNIC CONT	U	JPL	MR64		35	12	62	0		4201087
C	4201089			TB5 PYROTECHNIC CONT	U	JPL	MR64		35	12	62	0		4201097
C	4201090			CB6 ASSY PYRO CONT	U	JPL	MR64		35	12	62	0		4201097
C	4201091			TB6 PYROTECHNIC CONT	U	JPL	MR64		35	12	62	0		4201090
C	4201092			CB7 ASSY PYRO CONT	U	JPL	MR64		35	12	62	0		4201097
C	4201093			TB7 PYROTECHNIC CONT	U	JPL	MR64		35	12	62	0		4201092
C	4201094			RELAY CONTAINER 2	U	JPL	MR64		35	12	62	0		4201097
J	4201095			SUBCHASSIS PYRO CONT	U	JPL	MR64		35	12	62	0		4201097
J	4201096			PYROTECHNIC CONT 8A1	U	JPL	MR64		35	12	62	0		4201097
J	4201097			BLOCK WIRING DGM	U	JPL	MR64		35	12	62	0		4201096
J	4201098			CB2 ASSY PYRO CONT	U	JPL	MR64		35	12	62	0		4201097
A	4201098	PL		CB2 ASSY PYRO CONT	U	JPL	MR64		35	12	62	0		4201098
C	4201300			TEE SOCKET WELD LP	U	JPL	MR64		34	12	62	0		4201300
A	4201332			POTTING PROCEDURE	U	JPL	MR64		35	12	62	0		4201097
C	4201337			WEDGE	U	JPL	MR64		34	12	62	0		4201060
D	4300187	E		TRANSPONDER 2A1	U	JPL	MR64		35	12	62	J		4901041
D	4300188	E		TRANSPONDER 2A2	U	JPL	MR64		35	12	62	J		4901041
D	4300194	B		FILTER SUBASSY 2A9	U	JPL	MR64		35	12	62	J		4901041
D	4300204	C		AUTO-PILOT 7A4 SUBAY	U	JPL	MR64		35	12	62	J		4901041
D	4300205	C		7A13 ANTENNA & SERVO	U	JPL	MR64		35	12	62	J		4901041
J	4300536			RADIOMETER LAYOUT	U	JPL	MR64		34	12	62	0		4300536
J	4400078			CB1 PC PW SUPPLY	U	JPL	MR64		34	12	62	J		4400312
J	4400127	C		CHASSIS POWER	U	JPL	MR64		35	12	62	J		4400392
J	4400127	B		CHASSIS POWER	U	JPL	MR64		35	11	62	J		4400204
J	4400272	A		POWER SWITCHING	U	JPL	MR64		34	12	62	J		4400273
J	4400272	A		POWER SWITCHING	U	JPL	MR64		34	12	62	J		4400278
J	4400272	A		POWER SWITCHING	U	JPL	MR64		34	12	62	J		4400279
J	4400273	A		4A1 SUBASSY PWR SW	U	JPL	MR64		34	12	62	J		4901041
J	4400277	A		SUBASSY TELEMETERING	U	JPL	MR64		34	12	62	J		4400273
D	4400283	A		CB1 ASSY PW SWITCHING	U	JPL	MR64		34	12	62	J		4400277
D	4400284			SCHEM BOOSTER PWR	U	JPL	MR64		35	12	62	J		4400285
D	4400284			SCHEM BOOSTER PWR	U	JPL	MR64		35	12	62	J		4400287
D	4400285			BOOSTER REG 4A4 PWR	U	JPL	MR64		35	12	62	J		4901041
D	4400286			CHASSIS	U	JPL	MR64		34	12	62	J		4400285
J	4400287			CB1 BOOSTER REG	U	JPL	MR64		34	12	62	J		4400285
A	4400287	PL		CB1 BOOSTER REG	U	JPL	MR64		34	12	62	J		4400287
B	4400288			XFRM BOOSTER REG	U	JPL	MR64		34	12	62	0		4400285
B	4400289			INDUCTOR	U	JPL	MR64		34	12	62	J		4400285
C	4400290	A		TRANSFORMER T2	U	JPL	MR64		34	12	62	J		4400287

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REV	DRAWING NO.	BATCH NO.	REV	TITLE	REV	REV	RELEASE FOR		REV	REV	REV	DRAWING CONTROL STATUS	REV	REV
							MAJOR ITEM	THRU REV						
B	4400291			CAPACITOR SUBASSY	U	JPL	MR64		34	12	62	J		4400285
C	4400292			CHASSIS CAP BOOST REG	U	JPL	MR64		35	12	62	J		4400291
C	4400294			CAPACITOR CLAMP	U	JPL	MR64		35	12	62	J		4400285
J	4400295	B		PCB1 BOOSTER REG PW	U	JPL	MR64		34	12	62	J		4400287
J	4400296	A		PW SYNCRO SUPPLY	U	JPL	MR64		34	11	62	J		4400297
J	4400296	A		PW SYNCRO SUPPLY	U	JPL	MR64		34	10	62	J		4400297
J	4400297			4A6 SUBASSY PW SYNCRO	U	JPL	MR64		34	10	62	J		4901041
D	4400298			SUBCHASSIS PW SYNCRO	U	JPL	MR64		34	10	62	J		4400297
J	4400299			CB1 ASSY PW SYNCRO	U	JPL	MR64		34	10	62	J		4400297
C	4400301			TRANSFMR DR PW SYNCRO	U	JPL	MR64		34	10	62	J		4400297
C	4400302			SATURABLE TRANSFMR	U	JPL	MR64		34	10	62	J		4400297
C	4400303			TRANS PWR SYNCRO	U	JPL	MR64		34	10	62	J		4400297
B	4400304			CHOKE L1 PW SYNCRO	U	JPL	MR64		34	10	62	J		4400297
C	4400305			CHOKE L2 PWR SYNC	U	JPL	MR64		34	10	62	J		4400297
D	4400307			400 CY PW SCHEMATIC	U	JPL	MR64		34	12	62	J		4400308
J	4400308	A		400 CPS PW AMP 4A8	U	JPL	MR64		34	12	62	J		4901041
J	4400309			400 CY SUBCHASSIS	U	JPL	MR64		34	12	62	J		4400308
C	4400310			CHOKE , L1 PW SUPPLY	U	JPL	MR64		34	12	62	J		4400308
C	4400311			400 CY TRANSISTOR	U	JPL	MR64		34	12	62	J		4400308
D	4400312			CB1 ASSY 400 CY SUPPLY	U	JPL	MR64		34	12	62	J		4400308
D	4400312	A		CB 1 ASSY PW SUPPLY	U	JPL	MR64		34	12	62	J		4400308
D	4400313			CB2 ASSY 400 CY SUPPLY	U	JPL	MR64		34	12	62	J		4400308
D	4400313	A		CB 2 ASSY PW SUPPLY	U	JPL	MR64		34	12	62	J		4400308
C	4400314			TRANSFORMER T1 POWER	U	JPL	MR64		34	12	62	J		4400308
C	4400315			TRANSFORMER T1 POWER	U	JPL	MR64		34	12	62	J		4400308
C	4400316			CHOKE , L2 PW SUPPLY	U	JPL	MR64		34	12	62	J		4400308
C	4400317			400 CY INSULATOR PW	U	JPL	MR64		34	12	62	J		4400308
C	4400318			400 CY INSULATOR PW	U	JPL	MR64		34	12	62	J		4400308
C	4400319			CHOKE L3 PW 400 CY	U	JPL	MR64		34	12	62	J		4400308
C	4400320			400 CY TRANSISTOR	U	JPL	MR64		34	12	62	J		4400311
C	4400321			2.4 KC PW SUPPLY	U	JPL	MR64		34	11	62	J		4400322
D	4400322			4A9 2400 CPS PWR AMP	U	JPL	MR64		34	11	62	J		4901041
D	4400323			SUBCHASSIS PW SUPPLY	U	JPL	MR64		34	11	62	J		4400322
D	4400323			SUBCHASS PW 2.4 KC	U	JPL	MR64		34	11	62	J		4400322
B	4400324			TRANS 2.4 KC PW	U	JPL	MR64		34	11	62	J		4400322
B	4400325			CHOKE L1 2.4 KC PW	U	JPL	MR64		34	11	62	J		4400322
C	4400328			BATTERY CHG SCHEMATIC	U	JPL	MR64		34	12	62	J		4400329
C	4400328			BATTERY CHG SCHEMATIC	U	JPL	MR64		34	12	62	J		4400331
D	4400329			BATTERY CHARGER 4A7	U	JPL	MR64		34	12	62	J		4901041
D	4400330			BATTERY CHG SUBCHASS	U	JPL	MR64		34	12	62	J		4400329

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							SERIAL	THRU SER.		MO.	YR.			
D	4400331		CB1 BATTERY CHARGER	U	JPL	MR64			34	12	62	J	4400329	
J	4400333		PC BATTERY CHARGER	U	JPL	MR64			34	12	62	J	4400331	
C	4400369	A	CB1 PC PWR SWITCHING	U	JPL	MR64			34	12	62	J	4400283	
J	4400380		CB1 PC PW SYNCRO	U	JPL	MR64			34	10	62	J	4400299	
J	4400381		CB2 PC PW SYNCRO	U	JPL	MR64			34	10	62	J	4400300	
D	4400385	A	CB5 ASSEMBLY	U	JPL	MR64			34	12	62	J	4400273	
C	4400386	A	CB5 PC PWR SWITCHING	U	JPL	MR64			34	12	62	J	4400385	
J	4400389		COVER BATTERY	U	JPL	MR64			35	12	62	J	4400390	
J	4400390	A	BATTERY ASSY 4A14	U	JPL	MR64			35	01	63	J	4901041	
J	4400391		CHASSIS BATTERY	U	JPL	MR64			35	12	62	J	4400390	
J	4400392		CHASSIS, PW ASSEMBY	U	JPL	MR64			35	12	62	J	4901041	
D	4500045	A	SCHEMATIC	U	JPL	MR64			35	05	61	J	4200049	
J	4500152		A SHIELD, CHASSIS ASY	U	JPL	MR64			35	12	62	J	4500171	
J	4500153		A TOP SHIELD ASSY 3	U	JPL	MR64			35	12	62	J	4901041	
J	4500171	A	CHASSIS ASSY DATA	U	JPL	MR64			35	12	62	J	4901041	
C	4600161		TEMPERATURE XDUCE	U	JPL	MR64			34	09	61	J	4400285	
D	4600312		2A4 SUBASY CL-BAND	U	JPL	MR64			35	12	62	J	4901041	
D	4600313	C	CIRC & PWR MON 2A6	U	JPL	MR64			35	12	62	J	4901041	
D	4600317	B	JUNCTION BOX SCHEM	U	JPL	MR64			33	01	62	J	4600318	
J	4600318	E	COMMUNICATIONS 2A5	U	JPL	MR64			35	12	62	J	4901041	
A	4600318	PL	B JUNCTION BOX COMMUN	U	JPL	MR64			33	01	62	J	4600318	
D	4600319	B	CB1 PC JUNCTION BOX	U	JPL	MR64			33	01	62	J	4600318	
B	4600320		SPACER JUNCTION BOX	U	JPL	MR64			33	10	61	J	4600318	
D	4600321	B	SUBCHASS JUNCT BOX	U	JPL	MR64			33	08	62	J	4600318	
D	4600322	C	6MT1 ANALOG-DIG CONV	U	JPL	MR64			35	12	62	J	4901041	
D	4600323	C	CONTROL DWG 6A1	U	JPL	MR64			35	12	62	J	4901041	
D	4600324	D	CONTROL DWG 6K2	U	JPL	MR64			35	01	63	J	4901041	
U	4600325	D	CONTROL DWG 6K1	U	JPL	MR64			35	01	63	J	4901041	
D	4600326		CONTROL DWG 6MT4	U	JPL	MR64			35	12	62	J	4901041	
D	4600327	C	CONTROL DWG 6MT3	U	JPL	MR64			35	12	62	J	4901041	
D	4600328	D	PN GEN CONT DWG 6MT2	U	JPL	MR64			35	12	62	J	4901041	
D	4600329	C	CONT DWG ENCODER T/R	U	JPL	MR64			35	12	62	J	4901041	
J	4600457		CHASSIS	U	JPL	MR64			35	12	62	J	4901041	
J	4600458		SHIELD, COVER L BND	U	JPL	MR64			35	12	62	J	4600457	
D	4600459		COMMAND DECODER 3A3	U	JPL	MR64			35	12	62	J	4901041	
D	4600460		COMM DET B 3A2 86T/R	U	JPL	MR64			35	12	62	J	4901041	
D	4600461		COMM DET 3A1 SUBASY	U	JPL	MR64			35	12	62	J	4901041	
J	4600957		CHASSIS ASSY L BAND	U	JPL	MR64			35	12	62	J	4901041	
D	4700315		BRACKET FUEL TANK	U	JPL	MR64			38	11	61	J	4700541	
C	4700322	A	SPIDER WELDMENT	U	JPL	MR64			38	01	63	J	4700513	

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REV	DRAWING NO.	BATCH NO.	TITLE	U	C	VENDOR CODE	RELEASE FOR WARE ITEM		REF. NO.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							SERIAL	THRU SER.		MO.	YR.			
D	4700346		SHIELD THERMAL	U	JPL	MR64			38	02	62	J	4700500	
J	4700500		MCPU INSTALLATION	U	JPL	MR64			38			O		
J	4700501		CABLE INSTALLATION	U	JPL	MR64			38			O	4700500	
C	4700502		SERVO ASSY	U	JPL	MR64			38			O	4700560	
J	4700503		FUEL SYSTEM INST	U	JPL	MR64			38			O	4700500	
D	4700504		TUBE FUEL ASSY	U	JPL	MR64			38	01	63	J	4700503	
J	4700505		FUEL SYSTEM ASSEMBLY	U	JPL	MR64			38	01	63	J	4700503	
J	4700506		FUEL TANK ASSY	U	JPL	MR64			38			O	4700505	
J	4700507		FUEL TANK SHELL	U	JPL	MR64			38	12	62	J	4700506	
J	4700508		BLADDER ASSY	U	JPL	MR64			38			O	4700506	
J	4700509		BLADDER FUEL TANK	U	JPL	MR64			38	12	62	J	4700508	
J	4700510		MANIFOLD FUEL ASSY	U	JPL	MR64			38	01	63	J	4700508	
J	4700511		FUEL MANIFOLD BODY	U	JPL	MR64			38	12	62	J	4700510	
C	4700512		PRESS TRDCR	U	JPL	MR64			38			O	4700510	
J	4700513		GN2 SYSTEM ASSY	U	JPL	MR64			38			O	4700503	
D	4700515		TANK N2 ASSY	U	JPL	MR64			38	01	63	J	4700513	
D	4700515		TANK NITROGEN ASSY	U	JPL	MR64			38	01	63	J	4700515	
D	4700516		TANK SHELL GN2	U	JPL	MR64			38	12	62	J	4700515	
J	4700517		MANIFOLD BODY	U	JPL	MR64			38	12	62	J	4700515	
D	4700518		VALVE BODY GN2	U	JPL	MR64			38	12	62	J	4700563	
C	4700519		VALVE ASSY FILL	U	JPL	MR64			38			O	4700563	
C	4700520		0-500PSI OXID CARTDGG	U	JPL	MR64			38	01	63	J	4700527	
C	4700521		CAP NEEDLE VALVE	U	JPL	MR64			38	01	63	J	4700565	
J	4700522		PRESSURE REG ASSY	U	JPL	MR64			38	01	63	J	4700513	
D	4700523		HOUSING PRESS REG	U	JPL	MR64			38	01	63	J	4700522	
D	4700524		CAP PRESSURE REG	U	JPL	MR64			38	01	63	J	4700522	
D	4700525		BODY WELDMENT	U	JPL	MR64			38	01	63	J	4700522	
J	4700527		START SYS INST	U	JPL	MR64			38			O	4700513	
D	4700528		START SYSTEM ASSY	U	JPL	MR64			38	01	63	J	4700527	
D	4700529		CARTRIDGE OX ASSY	U	JPL	MR64			38	12	62	J	4700528	
D	4700531		CART OX WELD	U	JPL	MR64			38	12	62	J	4700529	
D	4700532		VALVE OXIDIZER ASSY	U	JPL	MR64			38	01	63	J	4700528	
C	4700533		FITTING	U	JPL	MR64			38	12	62	J	4700532	
D	4700534		VALVE BODY ASSY	U	JPL	MR64			38	12	62	J	4700532	
C	4700535		NUT	U	JPL	MR64			38	12	62	J	4700532	
C	4700536		VALVE ASSY FILL	U	JPL	MR64			38			O	4700532	
D	4700537		VALVE BODY FILL	U	JPL	MR64			38	12	62	J	4700519	
D	4700537		VALVE BODY FILL	U	JPL	MR64			38	12	62	J	4700536	
C	4700538		FLANGE INLET REG	U	JPL	MR64			38	01	63	J	4700522	
D	4700539		MCPU SCHEM MONOPROPL	U	JPL	MR64			34			O	4700500	

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							SERIAL	THRU SER					
J	4700540			ENGINE INSTL	U	JPL	MR64		38	12/62	J	4700527	
J	4700541			STRUCTURE ASSY	U	JPL	MR64		38	12/62	J	4700540	
C	4700542			BRACKET ELEC	U	JPL	MR64		38	12/62	J	4700541	
J	4700543			PLATE ASSY	U	JPL	MR64		38	12/62	J	4700541	
J	4700544			PLATE THRUST	U	JPL	MR64		38	12/62	J	4700543	
J	4700549			FUEL VALVE ASSEMBLY	U	JPL	MR64		38	12/62	J	4700505	
J	4700550			FUEL VALVE BODY	U	JPL	MR64		38	12/62	J	4700549	
C	4700551			REDUCER TELEMETER	U	JPL	MR64		38	01/63	J	4700513	
D	4700552			ADAPTOR	U	JPL	MR64		38	12/62	J	4700527	
C	4700553			CLAMP	U	JPL	MR64		38	12/62	J	4700527	
D	4700554			ENGINE ROCKET	U	JPL	MR64		38	12/62	J	4700540	
D	4700555			ENGINE WELD	U	JPL	MR64		38	12/62	J	4700554	
C	4700556			NOZZLE WELDMENT	U	JPL	MR64		38	01/63	J	4700562	
J	4700557			NOZZLE	U	JPL	MR64		38	01/63	J	4700528	
D	4700558			SUPPORT CONT ASSY	U	JPL	MR64		38	01/63	J	4700541	
D	4700558			SUPPORT CONTROL	U	JPL	MR64		38	01/63	J	4700543	
C	4700559			TUBE INLET REGULATOR	U	JPL	MR64		38	01/63	J	4700522	
D	4700560			CONTROL ASSY	U	JPL	MR64		38	12/62	J	4700500	
D	4700561			VANE	U	JPL	MR64		38	12/62	J	4700502	
D	4700562			SHELL WELDMENT	U	JPL	MR64		38	12/62	J	4700555	
D	4700563			VALVE G2 ASSY	U	JPL	MR64		38	12/62	J	4700513	
C	4700564			PLUG VALVE	U	JPL	MR64		38	12/62	J	4700549	
C	4700565			CAP NEEDLE VALVE	U	JPL	MR64		38	01/63	J	4700519	
C	4700565			CAP NEEDLE VALVE	U	JPL	MR64		38	01/63	J	4700529	
C	4700565			CAP NEEDLE VALVE	U	JPL	MR64		38	01/63	J	4700536	
C	4700566			PLUG PRESSURE REG	U	JPL	MR64		38	01/63	J	4700522	
C	4700567			SHELL	U	JPL	MR64		38	01/63	J	4700562	
C	4700567			SHELL	U	JPL	MR64		38	01/63	J	4700568	
C	4700568			SHELL COATED	U	JPL	MR64		38	01/63	J	4700562	
C	4700568			SHELL COATED	U	JPL	MR64		38	01/63	J	4700562	
J	4700569			BRKT MTG MIDCRS MTR	U	JPL	MR64		38	12/62	J	4701020	
J	4700570			BRKT MTG MIDCRS MTR	U	JPL	MR64		38	12/62	J	4701020	
D	4800040		A	SUBCHASSIS XPONDER	U	JPL	MR64		38	12/62	J	4800187	
J	4800040		A	SUBCHASSIS XPONDER	U	JPL	MR64		38	12/62	J	4800187	
B	4800326		A	RISER CLAMP WIRE NO2	U	JPL	MR64		38	12/62	J	4800883	
J	4800345		B	SCHEM PARTICLE FLUX	U	JPL	MR64		38	12/62	J	4800344	
J	4800369		B	CHOPPER DRIVE ASSY	U	JPL	MR64		38	12/62	J	4800370	
J	4800807			IR RADIOMETER 27A1	U	JPL	MR64		38	12/62	J	4800881	
J	4800815			SCI PWR SW	U	JPL	MR64		38	12/62	J	4800823	
J	4800815		B	SCIENTIFIC PW DIAG	U	JPL	MR64		38	12/62	J	4800823	

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							SERIAL	THRU SER					
J	4800815		A	SCIENTIFIC PW SCHEM	U	JPL	MR64		38	11/62	J	4800823	
J	4800825			SCHEMATIC PROGRAMMER	U	JPL	MR64		38	12/62	J	4800995	
J	4800825			SCHEMATIC PROGRAMMER	U	JPL	MR64		38	12/62	J	4800995	
J	4800826			SCHEMATIC SWEEP AMPL	U	JPL	MR64		38	12/62	J	4800981	
J	4800826			SCHEMATIC SWEEP AMPL	U	JPL	MR64		38	12/62	J	4800983	
J	4800827			SCHEMATIC PLASMA	U	JPL	MR64		38	12/62	J	4800987	
J	4800827			SCHEMATIC PLASMA	U	JPL	MR64		38	12/62	J	4800989	
D	4800845			MAGNETOMTR 22A1	U	JPL	MR64		38	12/62	J	4800854	
D	4800846			MAGNETOMTR 22A2	U	JPL	MR64		38	12/62	J	4800854	
D	4800847			MAGNETOMTR 22A3	U	JPL	MR64		38	12/62	J	4800854	
D	4800848			DATA SYSTEM 20A21	U	JPL	MR64		38	12/62	J	4800854	
D	4800849			DATA SYSTEM 20A22	U	JPL	MR64		38	12/62	J	4800854	
D	4800850			DATA SYSTEM 20A23	U	JPL	MR64		38	12/62	J	4800854	
D	4800851			DATA SYSTEM 20A24	U	JPL	MR64		38	12/62	J	4800854	
D	4800852			DATA SYSTEM 20A25	U	JPL	MR64		38	12/62	J	4800854	
D	4800853			20A6 DAS T/R	U	JPL	MR64		38	12/62	J	4901041	
J	4800854			ELECTRONIC ASSY 1	U	JPL	MR64		38	01/63	J	4901041	
D	4800857			SUBCHASS PREAMPLIFR	U	JPL	MR64		38	12/62	J	4800876	
D	4800857			SUBCHASS PREAMPLIFR	U	JPL	MR64		38	12/62	J	4800856	
D	4800858			CB1 ASSY CHANNEL NO2	U	JPL	MR64		38	12/62	J	4800856	
D	4800858	PL		CB1 PREAMP CHANL NO1	U	JPL	MR64		38	12/62	J	4800858	
D	4800860			CB2 ASSY CHANN NO1&2	U	JPL	MR64		38	12/62	J	4800856	
D	4800860	PL		CB2 PREAMP CHANL 1&2	U	JPL	MR64		38	12/62	J	4800876	
J	4800859			CB1 PC PRE-AMP CH1&2	U	JPL	MR64		38	01/63	J	4800860	
J	4800861			CB2 PC CHANN NO1&NO2	U	JPL	MR64		38	01/63	J	4800860	
C	4800862			SHIELD PREAMPLIFIER	U	JPL	MR64		38	12/62	J	4800856	
C	4800862			SHIELD PREAMPLIFIER	U	JPL	MR64		38	12/62	J	4800876	
C	4800863			SCHEMATIC PRE-AMP	U	JPL	MR64		38	12/62	J	4800856	
D	4800864			8.5M SUBASSY CHAN 32	U	JPL	MR64		38	12/62	J	4800861	
D	4800865			SUBCHASS ELEC UNIT	U	JPL	MR64		38	12/62	J	4800864	
J	4800866			CB2 SW DRIVER CH#2	U	JPL	MR64		38	12/62	J	4800879	
A	4800866	PL		CB2 SW DRIVER CH#2	U	JPL	MR64		38	12/62	J	4800866	
A	4800867			CB2 PC SW DRIVER	U	JPL	MR64		38	12/62	J	4800867	
J	4800868			CB1 POST AMPLIFIER	U	JPL	MR64		38	12/62	J	4800864	
J	4800869			CB1 PC POST AMPL	U	JPL	MR64		38	12/62	J	4800868	
J	4800870			CB3 DEMODULATOR	U	JPL	MR64		38	12/62	J	4800864	
A	4800870	PL		CB3 DEMODULATOR	U	JPL	MR64		38	12/62	J	4800870	
J	4800871			CB3 PC DEMODULATOR	U	JPL	MR64		38	12/62	J	4800870	
J	4800871			CB3 PC DEMODULATOR	U	JPL	MR64		38	12/62	J	4800973	

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								SERIAL	THRU SER.			NO.	YY			
J	4800872			SCHEM CHANNEL 32			U	JPL	MR64		32			O		
D	4800873			POWER SUPPLY SUBASSY			U	JPL	MR64		32			O		
A	4800873	PL		POWER SUPPLY SUBASSY			U	JPL	MR64		32			O	4800873	
D	4800874			SUBCHASS PWR SUPPLY			U	JPL	MR64		32			O	4800873	
C	4800875			SHIELD PRE-AMP			U	JPL	MR64		32			O		
D	4800876			PREAMP SUBASSY NO1			U	JPL	MR64		35	12	62	J	4800881	
C	4800877			SCHEMATIC PRE-AMP			U	JPL	MR64		32	12	62	J	4800876	
D	4800878			CB1 ASSY CHANN NO 1			U	JPL	MR64		35	12	62	J	4800876	
D	4800878	PL		CB1 PREAMP CHANN NO1			U	JPL	MR64		35	12	62	J	4800878	
D	4800879			CHANNEL #2 SUBASSY			U	JPL	MR64		32			O	4800881	
A	4800879	PL		CHANNEL #2 SUBASSY			U	JPL	MR64		32			O	4800879	
D	4800880			33MM CH 1 SCHEMATIC			U	JPL	MR64		32			O		
J	4800881			MICROWAVE RADIOMETER			U	JPL	MR64		32			O		
J	4800882			RADIOMTR CHASS ASSY			U	JPL	MR64		35	01	63	J	4800881	
J	4800883			CHASSIS ASSEMBLY			U	JPL	MR64		35	01	63	J	4800854	
D	4800884			20A1 SCI PWR SW			U	JPL	MR64		35	01	63	J	4901041	
J	4800885			SUBCHASS ASSY POWER			U	JPL	MR64		35	12	62	J	4800884	
J	4800936			CHASS PARTICLE FLUX			U	JPL	MR64		32			O	4801028	
J	4800940			CB1 PARTICLE FLX DET			U	JPL	MR64		32			O		
C	4800941			WAVEGUIDE COUP 35GC			U	JPL	MR64		35	01	63	J	4800881	
C	4800942			DIRECT COUP 10 DB			U	JPL	MR64		35	01	63	J	4800881	
C	4800943			WAVEGUIDE COUPLER			U	JPL	MR64		35	01	63	J	4800881	
C	4800944			SWITCH 35 G C CONT			U	JPL	MR64		35	01	63	J	4800881	
D	4800945			CIRCULATOR CONT DWG			U	JPL	MR64		32			O	4800881	
D	4800946			SW FERRITE CONT DWG			U	JPL	MR64		32			O	4800881	
D	4800947			SUPPORT ASY SHIELD			U	JPL	MR64		32			O	4800881	
J	4800948			SHIELD THERMAL ASY			U	JPL	MR64		32			O	4800881	
U	4800949			MOD COUP 9GC CONT DW			U	JPL	MR64		35	01	63	J	4800881	
C	4800950			WAVE GUIDE SUBASSY			U	JPL	MR64		35	01	63	J	4800881	
C	4800951			ADAPTER CONT DWG			U	JPL	MR64		32			O		
C	4800952			VIDEO DET KA BAND			U	JPL	MR64		35	01	63	J	4800881	
D	4800953			VIDEO DET X BAND			U	JPL	MR64		35	01	63	J	4800881	
D	4800954			TERM NOISE SOURCE			U	JPL	MR64		35	01	63	J	4800881	
D	4800955			WAVEGUIDE SUBASSY 1			U	JPL	MR64		35	01	63	J	4800881	
D	4800956			WAVEGUIDE SUBASSY 2			U	JPL	MR64		35	01	63	J	4800881	
C	4800957			BEND H-PLANE			U	JPL	MR64		35	01	63	J	4800881	
C	4800958			BEND E-PLANE			U	JPL	MR64		35	01	63	J	4800881	
C	4800959			V-BLOCK ASSY			U	JPL	MR64		35	01	63	J	4800881	
C	4800960			BRKT COUPLER NO 1			U	JPL	MR64		35	01	63	J	4800881	
C	4800961			BRACKET COUPLER 2			U	JPL	MR64		35	01	63	J	4800881	

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								SERIAL	THRU SER.			NO.	YY			
C	4800962			BRACKET SUPPORT			U	JPL	MR64		35	01	63	J	4800881	
C	4800963			BOSS MOBILE			U	JPL	MR64		35	01	63	J	4800881	
C	4800964			BRACKET CONNECTOR			U	JPL	MR64		32			O		
J	4800965			UV PHOTOMTR CON DWG			U	JPL	MR64		32			O		
J	4800966			REFERENCE HORN			U	JPL	MR64		32			O		
D	4800967			COVER HORN			U	JPL	MR64		32			O		
B	4800968			BUSHING PIN STOP			U	JPL	MR64		35	01	63	J	4800882	
D	4800969			BRKT CONN MOUNTING			U	JPL	MR64		35	01	63	J	4800881	
J	4800971			TB1 POST AMP CH1			U	JPL	MR64		32			O	4800880	
A	4800971	PL		TB1 POST AMP CH1			U	JPL	MR64		32			O	4800971	
J	4800972			CB2 SWITCH DRIVER			U	JPL	MR64		32			O	4800879	
J	4800973			CB3 DEMODULATOR CH1			U	JPL	MR64		32			O	4800879	
J	4800974			CB2 PC SW DRIVER			U	JPL	MR64		32			O	4800972	
J	4800975			CB1 PC POST AMPL			U	JPL	MR64		32			O	4800971	
J	4800976			CB4 REF OSCILLATOR			U	JPL	MR64		32			O	4800864	
A	4800976	PL		CB4 REF OSCILLATOR			U	JPL	MR64		32			O	4800976	
J	4800977			CB4 PC REF OSCILLATR			U	JPL	MR64		32			O	4800976	
J	4800977			CB4 PC REF OSCILLATR			U	JPL	MR64		32			O	4801011	
A	4800977	PL		CB4 PC CH162			U	JPL	MR64		32			O	4800977	
J	4800978			SHIELD CHASSIS ASSY			U	JPL	MR64		35	01	63	J	4800883	
D	4800979			23A3 SWEEP AMPL			U	JPL	MR64		35			O	4901041	
U	4800980			SUBCHASS SWEEP AMPL			U	JPL	MR64		32			O	4800979	
A	4800981	PL		CB5			U	JPL	MR64		32			O	4800981	
A	4800983	PL		CB6			U	JPL	MR64		32			O	4800983	
J	4800985			23A1 SOLAR PLASMA EL			U	JPL	MR64		35			O	4901041	
J	4800986			SUBCHAS PLASMA ELECT			U	JPL	MR64		32			O	4800985	
A	4800987	PL		CB1			U	JPL	MR64		32			O	4800987	
A	4800989	PL		CB2			U	JPL	MR64		32			O	4800989	
D	4800991			23A2 PROGRAMMER			U	JPL	MR64		35			O	4901041	
D	4800992			SUBCHAS PROGRAMMER			U	JPL	MR64		32			O	4800991	
A	4800993	PL		CB3			U	JPL	MR64		32			O	4800993	
A	4800995	PL		CB4			U	JPL	MR64		32			O	4800994	
J	4800997			CHASS ASSY PWR SUPP			U	JPL	MR64		32			O		
J	4801002			PARTICLE FLX SCHEM			U	JPL	MR64		32			O		
J	4801004			OP SHIELD CHASSIS			U	JPL	MR64		35	01	63	J	4901041	
B	4801005			ALIGNMENT WASHER			U	JPL	MR64		32			O	4800882	
C	4801006			ADJUSTMENT STUD CHAS			U	JPL	MR64		32			O	4800882	
J	4801011			CB4 REF OSCILLATOR			U	JPL	MR64		32			O	4800879	
B	4801012			SPACER TUNING FORK			U	JPL	MR64		32			O	4800864	
B	4801012			SPACER TUNING FORK			U	JPL	MR64		32			O	4800879	

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							SERIAL	THRU SER					
B	4801013		TRANSPONDER CAP SW	U	JPL	MR64		32			0	4800868	
B	4801013		TRANSPONDER CAP	U	JPL	MR64		32			0	4800972	
D	4801014		SHIELD ELEC UNIT	U	JPL	MR64		32			0	4800864	
B	4801015		INSULATOR	U	JPL	MR64		32			0	4800986	
B	4801016		INSULATOR	U	JPL	MR64		32			0	4800986	
B	4801017		INSULATOR	U	JPL	MR64		32			0	4800986	
B	4801018		INSULATOR	U	JPL	MR64		32			0	4800992	
B	4801019		INSULATOR	U	JPL	MR64		32			0	4800992	
B	4801020		INSULATOR	U	JPL	MR64		32			0	4800980	
B	4801021		INSULATOR	U	JPL	MR64		32			0	4800980	
D	4801022		CB1 PARTICLE FLUX	U	JPL	MR64		32			0		
J	4801023		CB1 PC PARTICLE FLUX	U	JPL	MR64		32			0	4801022	
D	4801024		MAG SENSOR 22A1 CONT	U	JPL	MR64		32			0		
D	4801025		MAG EL 22A2 CONT DWG	U	JPL	MR64		32			0		
D	4801026		MAG EL 22A3 CONT DWG	U	JPL	MR64		32			0		
C	4801027		TB PARTICLE FLUX	U	JPL	MR64		32			0	4800352	
J	4801028		SUBASSY PARTICLE FLX	U	JPL	MR64		32			0		
J	4801029		CHASS PARTICLE FLUX	U	JPL	MR64		32			0		
D	4900028	F	SUBCHASSIS MACHINED	*	U	JPL	MR64	34	11	62	J		
D	4900033	A	SUBCHASS MACHINED	U	JPL	MR64		35	08	62	J	4600329	
J	4900252		RING HARNESS INSTL	U	JPL	MR64		35	12	62	J	4900256	
J	4900256		CARLING INST SPCRAFT	U	JPL	MR64		35	01	63	J	4100310	
J	4900300	A	TROUGH SECTION ASSY	U	JPL	MR64		35	12	62	J	4900313	
C	4900301	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900311	
C	4900301	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900316	
C	4900301	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900312	
C	4900301	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900313	
C	4900301	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900314	
C	4900301	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900314	
C	4900301	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900315	
B	4900302	A	SHIM TROUGH HARNESS	U	JPL	MR64		35	12	62	J	4900318	
C	4900303	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900318	
B	4900304	A	HANGER TROUGH	U	JPL	MR64		35	12	62	J	4900318	
J	4900305	A	TROUGH SECTION ASSY	U	JPL	MR64		35	12	62	J	4900318	
C	4900308	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900315	
C	4900308	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900313	
B	4900309	A	TIE PLATE TROUGH	U	JPL	MR64		35	12	62	J	4900300	
C	4900310	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900311	
D	4900311	A	TROUGH SECT ASY BAY6	U	JPL	MR64		35	12	62	J	4900306	
J	4900312	A	TROUGH SECTION ASSY	U	JPL	MR64		35	12	62	J	4900305	

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							SERIAL	THRU SER					
D	4900313	A	TROUGH SECT ASY BAY5	U	JPL	MR64		35	12	62	J	4900305	
J	4900314	A	TROUGH SECTION ASSY	U	JPL	MR64		35	12	62	J	4900305	
J	4900316	A	TROUGH SECTION	U	JPL	MR64		35	12	62	J	4900305	
J	4900318	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900327	
C	4900319	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900313	
C	4900320	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900312	
C	4900321	A	CONNECTOR BRKT LEG A	U	JPL	MR64		35	12	62	J	4900328	
C	4900322	A	GUSSET TROUGH	U	JPL	MR64		35	12	62	J	4900328	
B	4900325		STUD PLATE	U	JPL	MR64		35	12	62	J	4900318	
C	4900326		GUSSET TROUGH	U	JPL	MR64		35	01	63	J	4900312	
C	4900329	A	CONNECTOR BRKT LEG E	U	JPL	MR64		35	01	63	J	4900510	
C	4900505	A	BRKT DA-15 CONNECTOR	U	JPL	MR64		35	12	62	J	4901054	
	4900510		CABLING INSTALLATION	U	JPL	MR64		35			0		
	4900511		9W1 RING HARN SIG	U	JPL	MR64		35			0		
	4900512		9W2 CASE HARN COMMUN	U	JPL	MR64		35	01	63	J	4900510	
	4900513		9W3 CASE HARN COMMND	U	JPL	MR64		35			0		
	4900514		9W4 CASE HARN PWR SW	U	JPL	MR64		35			0		
	4900515		9W5 CASE HARN CC6S	U	JPL	MR64		35			0		
	4900516		9W6 CASE H DATA ENCD	U	JPL	MR64		35			0		
	4900517		9W7 CASE H ATT CONT	U	JPL	MR64		35			0		
	4900518		9W8 PYRO HARN MAIN	U	JPL	MR64		35			0		
	4900519		9W9 CASE H PWR6PYRO	U	JPL	MR64		35			0		
C	4900520		9W10 INCONN SUBASSY	U	JPL	MR64		35	01	63	J	4700501	
C	4900520		9W10 PYRO HARN MCPU	U	JPL	MR64		35	01	63	J	4900539	
	4900521		9W11 INSTR HARN MCPU	U	JPL	MR64		35	01	63	J	4900539	
C	4900521		9W11 INTERCONNECT	U	JPL	MR64		35	01	63	J	4700501	
	4900522		9W12 CONT SYS MCPU	U	JPL	MR64		35	01	63	J	4900539	
C	4900522		9W12 INTERCONNECT	U	JPL	MR64		35	01	63	J	4700501	
	4900523		9W13 EARTH SENSOR	U	JPL	MR64		35			0		
	4900524		9W14 MOTION SENS HAR	U	JPL	MR64		35			0		
	4900525		9W20 SCI CASE HARN	U	JPL	MR64		35			0		
	4900526		9W21 SCI SIG HARNESS	U	JPL	MR64		35			0		
	4900527		9W22 MAGNETOMTR HARN	U	JPL	MR64		35			0		
	4900528		9W23 SCI POWER HARN	U	JPL	MR64		35			0		
	4900529		9W24 SCI CASE HARN	U	JPL	MR64		35			0		
	4900530		9W30 RADIOMTR CASE	U	JPL	MR64		35			0		
	4900531		9W40 RING HARN PWR	U	JPL	MR64		35			0		
	4900532		RAD 9 GC SW-ELECT	U	JPL	MR64		35			0		
	4900533		RAD 9GC PREAMP-ELECT	U	JPL	MR64		35			0		
	4900534		RAD 9 GC DET-PREAMP	U	JPL	MR64		35			0		

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								SERIAL	THRU SER.		MO.	YR.			
	4900535			RAD 35 GC SW-ELECT	U	JPL	MR64			35			O		
	4900536			RAD 35GC PREAMP-ELEC	U	JPL	MR64			35			O		
	4900537			RAD 35GC DET-PREAMP	U	JPL	MR64			35			O		
	4900538			9W37 ATT CONT JET H	U	JPL	MR64			35			O		
J	4900540			SC CABLING	U	JPL	MR64			35			O		
	4900541			RAD TUN DIO AMP CABL	U	JPL	MR64			35			O		
	4900546			CABLING FLOW CHART	U	JPL	MR64			35			O		
J	4901001	B		SHIELD + CHASS ASSY	U	JPL	MR64			35	12	62	J	4901054	
B	4901053			BRKT CONNECTOR MT	U	JPL	MR64			35	12	62	J	4900171	
B	4901053			BRKT CONNECTOR MT	U	JPL	MR64			35	12	62	J	4460392	
J	4901054			CHASSIS ATT CONT	U	JPL	MR64			35	12	62	J	4901041	
				MISC SPACE SCI DATA											
				ELECTRICAL INTERFACE											
	200			40A1 PWR SW-SCAN ACT	U	JPL	MR64			32			O		
	201			40A1 PWR SW-UV PHOTO	U	JPL	MR64			32			O		
	202			40A1 PWR SW-RADIOMTR	U	JPL	MR64			32			O		
	203			40A1 PWR SW-ATT CONT	U	JPL	MR64			32			O		
	204			40A1 P SW-SCI INSTR	U	JPL	MR64			32			O		
	204 A			21 MICROWAVE RAD-GSE	U	JPL	MR64			32			O		
	205			40A1 SCI PWR SW-DAS	U	JPL	MR64			32			O		
	206			40A1 SCI PWR SW-DAS	U	JPL	MR64			32			O		
	207			40A1 PWR SW-DECODER	U	JPL	MR64			32			O		
	302			21 MICROWAVE RAD-DAS	U	JPL	MR64			32			O		
	303			21 MICRO RAD-DAS/ENG	U	JPL	MR64			32			O		
	304			21 MICROWAVE RAD-GSE	U	JPL	MR64			32			O		
	401			27A1 IR RADIOMTR-DAS	U	JPL	MR64			32			O		
	402			27A2 IR RAD CAL-DAS	U	JPL	MR64			32			O		
	403			27A1 IR RAD-ISO BOX	U	JPL	MR64			32			O		
	500			22 MAGNETOMETER-DAS	U	JPL	MR64			32			O		
	600			23 SOLAR PLASMA-GSE	U	JPL	MR64			32			O		
	601			23 SOL PLAS PROG-GSE	U	JPL	MR64			32			O		
	602			20A5 SOL PLASMA-GSE	U	JPL	MR64			32			O		
	603			23 SOL PLASMA-GSE	U	JPL	MR64			32			O		
	604			23 SOL PLASMA-GSE	U	JPL	MR64			32			O		
	605			23 SOL PLASMA-DAS	U	JPL	MR64			32			O		
	606			23 SOL PLASMA-DAS	U	JPL	MR64			32			O		

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								SERIAL	THRU SER.		MO.	YR.			
	607			23 SOL PLAS PROG-DAS	U	JPL	MR64			32			O		
	700			25 PART FLUX DET-GSE	U	JPL	MR64			32			O		
	701			25 PART FLUX DET-DAS	U	JPL	MR64			32			O		
	702			25 PART FLUX DET-ENC	U	JPL	MR64			32			O		
	900			RAD SCAN POS-DAS	U	JPL	MR64			32			O		
	1100			45 UV PHOTOMETER-DAS	U	JPL	MR64			32			O		
				MISC RADIOMETER DWGS	U	JPL	MR64			32			O		
	LO-G3			LO WAVEGUIDES RADIOM	U	JPL	MR64			32			O		
	LO-G22			LAYOUT CHASS #3	U	JPL	MR64			32			O		
	LO-G32			LO INFACE CHASSIS	U	JPL	MR64			32			O		
	LO-G33			LO IR RADIOMTR INSTL	U	JPL	MR64			32			O		
	LO-G36			CABLE ROUTING	U	JPL	MR64			32			O		
	LO-G100			LAYOUT CONN BRKT	U	JPL	MR64			32			O		
	LO-G104			UV INSTL&PWR PACK LO	U	JPL	MR64			32			O		
	LO-G110			LO ADJUSTMENT ROD	U	JPL	MR64			32			O		
F	120123			XPONDER SUBASSY	U	MOT	MR64			33	07	62	C	4300187	
F	120148	B		OSCILLATOR RADIO	U	MOT	MR64			33	07	62	C	0120123	
F	120159	B		FREQUENCY DIVIDER	U	MOT	MR64			33	07	62	C	0120178	
D	120160	B		DETECTOR RADIO FREQU	U	MOT	MR64			33	07	62	C	0120178	
B	120168	B		FILTER SUBASSY LOW	U	MOT	MR64			33	07	62	C	0120173	
D	120170			CONVERTER FREQ ELECT	U	MOT	MR64			33	07	62	C	0120123	
U	120171			AMPLIFIER INTER FREQ	U	MOT	MR64			33	07	62	C	0120178	
B	120172			AMP 2 INTERMED FREQ	U	MOT	MR64			33	07	62	C	0120178	
U	120173	B		FILTER LOW PASS	U	MOT	MR64			33	07	62	C	0120178	
U	120174			AMPLIFIER DIRECT	U	MOT	MR64			33	07	62	C	0120123	
U	120175	B		OSCILLATOR RADIO	U	MOT	MR64			33	07	62	C	0120178	
U	120176	B		FREQUENCY MULTIPLIER	U	MOT	MR64			33	07	62	C	0120123	
U	120177			FREQ MULTIPLIER	U	MOT	MR64			33	07	62	C	0120123	
F	120178			XPONDER SUBASSY	U	MOT	MR64			33	07	62	C	4300188	
U	120199	B		AMPLIFIER SUBASSY	U	MOT	MR64			33	07	62	C	0120172	
H	120310	A		CAVITY TUNED X7	U	MOT	MR64			33	07	62	C	0120176	
B	120834	B		BLOCK MTG SUBASSY	U	MOT	MR64			33	07	62	C	0120170	

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							MAINTENANCE	THRU SER.				
C	120855	B	FREQ CONVERTER LOWER	1	U	MOT	MR64		33	07	62	0120170
D	120856	B	FREQ CONVERTER SUBAY	1	U	MOT	MR64		33	07	62	0120170
	121924	D	PLUS 6 VDC RECTIFIER	1	U	MOT	MR64		33	07	62	
	121928	D	- 6 VDC RECTIFIER	1	U	MOT	MR64		33	07	62	
H	122726	A	CAVITY TUNED X4	1	U	MOT	MR64		33	07	62	0120177
B	220126	B	NUT PLAIN HEXAGON	1	U	MOT	MR64		33	07	62	0120310
C	320127	B	SCREW TUNER CAVITY	1	U	MOT	MR64		33	07	62	0122726
C	320127	B	SCREW TUNER CAVITY	1	U	MOT	MR64		33	07	62	0120170
C	320280	A	RETAINER THREADED	1	U	MOT	MR64		33	07	62	0120170
B	420201	A	WASHER FLAT	1	U	MOT	MR64		33	07	62	0120170
B	420202	A	WASHER FLAT	1	U	MOT	MR64		33	07	62	0120177
B	520857	B	GROMMET METALLIC	1	U	MOT	MR64		33	07	62	0120170
D	720134	B	BRACKET CONNECTR MTG	1	U	MOT	MR64		33	07	62	0120123
D	720137	B	BRACKET CONNECTR MTG	1	U	MOT	MR64		33	07	62	0120178
D	720262	A	BRACKET RETAINER	1	U	MOT	MR64		33	07	62	0120170
D	820219	A	CAPACITOR FIXED PLAS	1	U	MOT	MR64		33	07	62	0120173
B	1420136	B	INSULATOR PLATE	1	U	MOT	MR64		33	07	62	0120173
B	1420202	A	INSULATOR PLATE	1	U	MOT	MR64		33	07	62	0120174
B	1420221	A	INSULATOR BUSHING	1	U	MOT	MR64		33	07	62	0120123
B	1420277	A	INSULATOR XFORMER	1	U	MOT	MR64		33	07	62	0120123
B	1422730	A	INSULATOR CONTACT	1	U	MOT	MR64		33	07	62	0120310
B	1422730	A	INSULATOR CONTACT	1	U	MOT	MR64		33	07	62	0122726
C	1422733	A	INSULATOR	1	U	MOT	MR64		33	07	62	0120310
C	1422733	A	INSULATOR	1	U	MOT	MR64		33	07	62	0122726
B	1422750	B	INSULATOR CAV	1	U	MOT	MR64		33	07	62	0122726
H	1520133	B	HOUSING XPONDER	1	U	MOT	MR64		33	07	62	0120178
C	1520206	A	HOLDER CRYSTAL UNIT	1	U	MOT	MR64		33	07	62	4622700
D	1520279	A	COVER DUST	1	U	MOT	MR64		33	07	62	0120170
D	1520296	A	SHELL TUNED CAVITY	1	U	MOT	MR64		33	07	62	0120176
D	1520306	A	SHELL TUNED CAVITY	1	U	MOT	MR64		33	07	62	0120177
	1522143	D	HSG SUBCHASSIS	1	U	MOT	MR64		33	07	62	0121928
	1522144	D	HSG SUBCHASSIS	1	U	MOT	MR64		33	07	62	0121928
J	1522736	B	SHELL CAVITY SUBASSY	1	U	MOT	MR64		33	07	62	0120170
D	1522736	B	SHELL CAVITY SUBASSY	1	U	MOT	MR64		33	07	62	0122726
C	2420142	B	XFORMER RADIO FREQ	1	U	MOT	MR64		33	07	62	4620176
C	2420143	B	XFORMER RADIO FREQ	1	U	MOT	MR64		33	07	62	4620863
C	2420144	B	XFORMER RADIO VCO T3	1	U	MOT	MR64		33	07	62	4620863
C	2420145	B	XFORMER RADIO VCO T4	1	U	MOT	MR64		33	07	62	4620863
C	2420147	B	XFORMER RADIO FREQ	1	U	MOT	MR64		33	07	62	4620863
C	2420153	B	XFORMER RADIO FREQ	1	U	MOT	MR64		33	07	62	4620177

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							MAINTENANCE	THRU SER.				
C	2420154	B	XFORMER RADIO FREQ	1	U	MOT	MR64		33	07	62	0120159
C	2420155	B	XFORMER RADIO FREQ	1	U	MOT	MR64		33	07	62	4620150
C	2420156	B	XFORMER RADIO T5	1	U	MOT	MR64		33	07	62	4620151
C	2420157	B	XFORMER RADIO T6	1	U	MOT	MR64		33	07	62	4620152
C	2420165	B	XFORMER RADIO T3	1	U	MOT	MR64		33	07	62	4620162
C	2420166	B	XFORMER RADIO T4	1	U	MOT	MR64		33	07	62	0120160
C	2420167	B	XFORMER RADIO FREQ	1	U	MOT	MR64		33	07	62	0120160
C	2420183	B	XFORMER RADIO T2	1	U	MOT	MR64		33	07	62	4620179
C	2420185	B	XFORMER RADIO T4	1	U	MOT	MR64		33	07	62	4620181
C	2420185	B	XFORMER RADIO T4	1	U	MOT	MR64		33	07	62	4620854
C	2420196	B	XFMR RADIO FREQ	1	U	MOT	MR64		33	07	62	0120199
C	2420197	B	XFMR RADIO FREQ	1	U	MOT	MR64		33	07	62	0120199
C	2420198	B	XFMR RADIO FREQ	1	U	MOT	MR64		33	07	62	0120199
C	2420381	A	XFMR RADIO FREQ	1	U	MOT	MR64		33	07	62	0120170
C	2420382	A	XFMR RADIO FREQ	1	U	MOT	MR64		33	07	62	0120855
C	2420383	A	XFMR RADIO FREQ	1	U	MOT	MR64		33	07	62	0120170
B	2420384	A	COIL RADIO FREQ	1	U	MOT	MR64		33	07	62	0120856
C	2420820	B	XFMR RADIO FREQ	1	U	MOT	MR64		33	07	62	0120177
C	2420821	B	XFMR RADIO FREQ	1	U	MOT	MR64		33	07	62	0120177
C	2420827	B	XFMR RADIO FREQ	1	U	MOT	MR64		33	07	62	0120176
C	2420828	B	XFMR RADIO FREQ	1	U	MOT	MR64		33	07	62	0120176
C	2420831	B	COIL RADIO FREQ	1	U	MOT	MR64		33	07	62	4620823
C	2420836	B	XFMR RF FREQ	1	U	MOT	MR64		33	07	62	0120834
C	2420837	B	COIL RF FREQ CONVERT	1	U	MOT	MR64		33	07	62	0120834
C	2420841	B	COIL RADIO FREQ	1	U	MOT	MR64		33	07	62	0120148
C	2420850	B	COIL RADIO FREQ	1	U	MOT	MR64		33	07	62	0120175
C	2420864	B	XFMR RADIO FREQ VCO	1	U	MOT	MR64		33	07	62	4620863
C	2425202	B	XFMR RADIO FREQUENCY	1	U	MOT	MR64		33	07	62	4620186
C	2425213	B	COIL RADIO FREQ VARI	1	U	MOT	MR64		33	07	62	0120176
C	2425214	B	COIL RADIO FREQUENCY	1	U	MOT	MR64		33	07	62	0120171
C	2425216	B	XFMR RADIO FREQUENCY	1	U	MOT	MR64		33	07	62	0120175
C	2425217	B	XFMR RADIO FREQUENCY	1	U	MOT	MR64		33	07	62	0120175
C	2425220	B	COIL RAD FREQ DIVIDER	1	U	MOT	MR64		33	07	62	0120159
C	2425224	B	XFMR RAD FREQ CONVER	1	U	MOT	MR64		33	07	62	0120854
D	2522710	A	FILTER BAND PASS CRY	1	U	MOT	MR64		33	07	62	0120177
F	2720100	B	CHASS ELECT EQUIP	1	U	MOT	MR64		33	07	62	0120146
F	2720104	B	CHASS ELECT EQUIP	1	U	MOT	MR64		33	07	62	0120171
F	2720108	B	CHASSIS ELECT EQUIP	1	U	MOT	MR64		33	07	62	0120159
F	2720116	B	CHASS ELECT EQUIP	1	U	MOT	MR64		33	07	62	0120160
H	2720118	B	CHASS ELECT EQUIP	1	U	MOT	MR64		33	07	62	0120172

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REV	DRAWING NO.	REV NO.	REV	TITLE	CNC	CNC	VENDOR CODE	RELEASE FOR MAJOR ITEM		RESP. BY	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	1	2
								SERIAL	THRU SER.		NO.	TR.				
F	2720121	B		CHASS ELECT EQUIP	U	MOT	MR64			33	07	62	C	0120173		
F	2720129	B		CHASS ELECT EQUIP	U	MOT	MR64			33	07	62	C	0120177		
F	2720130	B		CHASS ELECT EQUIP	U	MOT	MR64			33	07	62	C	0120176		
F	2720131	B		CHASS ELECT EQUIP	U	MOT	MR64			33	07	62	C	0120174		
F	2720132	B		CHASS ELECT EQUIP	U	MOT	MR64			33	07	62	C	0120170		
F	2720158	B		CHASS ELECT EQUIP	U	MOT	MR64			33	07	62	C	0120175		
B	2720276	A		BASE COIL	U	MOT	MR64			33	07	62	C	0120123		
F	2726593	B		CHASS ELECT EQUIP	U	MOT	MR64			33	07	62	C	0120170		
C	3020842	B		CABLE ASSY RF	U	MOT	MR64			33	07	62	C	0120123		
C	3020842	B		CABLE ASSY RF	U	MOT	MR64			33	07	62	C	0120178		
C	3020843	B		CABLE ASSY RF	U	MOT	MR64			33	07	62	C	0120123		
C	3020843	B		CABLE ASSY RF	U	MOT	MR64			33	07	62	C	0120178		
C	3020844	B		CABLE ASSY RF W16W11	U	MOT	MR64			33	07	62	C	0120123		
C	3020844	B		CABLE ASSY RF W16W11	U	MOT	MR64			33	07	62	C	0120178		
C	3020851	B		CABLE ASSY	U	MOT	MR64			33	07	62	C	0120123		
C	3020851	B		CABLE ASSY	U	MOT	MR64			33	07	62	C	0120178		
D	3020852	B		CABLE ASSY	U	MOT	MR64			33	07	62	C	0120123		
D	3020853	B		CABLE ASSY	U	MOT	MR64			33	07	62	C	0120178		
C	3920192	B		CONTACT ELECTRICAL	U	MOT	MR64			33	07	62	C	0120310		
C	3920192	B		CONTACT ELECTRICAL	U	MOT	MR64			33	07	62	C	0122726		
C	3920193	B		CONTACT ELECTRICAL	U	MOT	MR64			33	07	62	C	0120310		
C	3920222	A		CONTACT EL MIXER	U	MOT	MR64			33	07	62	C	0120856		
C	3920298	A		CONDUCTOR SECTION	U	MOT	MR64			33	07	62	C	0120310		
C	3920298	A		CONDUCTOR SECTION	U	MOT	MR64			33	07	62	C	0122726		
B	3922720	A		CONTACT STRIP	U	MOT	MR64			33	07	62	C	0120123		
C	3922745	A		CONTACT ELEC MXP LWR	U	MOT	MR64			33	07	62	C	0120170		
D	4220224	A		RETAINER SEMICONDUCT	U	MOT	MR64			33	07	62	C	0120170		
D	4320233	A		ALIGNMENT DEVICE	U	MOT	MR64			33	07	62	C	0120310		
D	4320233	A		ALIGNMENT DEVICE	U	MOT	MR64			33	07	62	C	0122726		
B	4322746	A		BUSHING CONTACT ELEC	U	MOT	MR64			33	07	62	C	0120123		
C	4620101	B		BLOCK MTG SMALL VCO	U	MOT	MR64			33	07	62	C	4620138		
C	4620102	B		BLOCK MTG XSISTOR	U	MOT	MR64			33	07	62	C	4620186		
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MR64			33	07	62	C	4620181		
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MR64			33	07	62	C	4620152		
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MR64			33	07	62	C	4620169		
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MR64			33	07	62	C	4620179		
C	4620110	B		BLOCK MTG RF DET	U	MOT	MR64			33	07	62	C	4620161		
C	4620111	B		BLOCK MTG XFORMER	U	MOT	MR64			33	07	62	C	4620151		
C	4620111	B		BLOCK MTG XFORMER	U	MOT	MR64			33	07	62	C	4620159		

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								SERIAL	THRU SER.		NO.	TR.				
C	4620112	B		BLOCK MTG FREQ	U	MOT	MR64			33	07	62	C	4620150		
C	4620113	B		BLOCK MTG XFORMER	U	MOT	MR64			33	07	62	C	4620117		
C	4620114	B		BLOCK MTG	U	MOT	MR64			33	07	62	C	4620167		
B	4620117	B		BLOCK MTG FREQ DIVID	U	MOT	MR64			33	07	62	C	0120159		
C	4620122	B		BLOCK MTG	U	MOT	MR64			33	07	62	C	0120173		
C	4620122	B		BLOCK MTG	U	MOT	MR64			33	07	62	C	0120168		
C	4620124	B		BLOCK MTG SECOND IF	U	MOT	MR64			33	07	62	C	0120199		
C	4620135	B		BLOCK MTG FREQ	U	MOT	MR64			33	07	62	C	0120834		
B	4620138	B		BLOCK MTG VCO T1	U	MOT	MR64			33	07	62	C	0120148		
B	4620149	B		BLOCK MTG FREQ DIVID	U	MOT	MR64			33	07	62	C	0120159		
B	4620150	B		BLOCK MTG FREQ DIVID	U	MOT	MR64			33	07	62	C	0120159		
B	4620151	B		BLOCK MTG FREQ DIVID	U	MOT	MR64			33	07	62	C	0120159		
B	4620152	B		BLOCK MTG FREQ DIVID	U	MOT	MR64			33	07	62	C	0120159		
C	4620161	B		BLOCK MTG SUBASSY	U	MOT	MR64			33	07	62	C	0120160		
B	4620162	B		BLOCK MTG RF DETECTR	U	MOT	MR64			33	07	62	C	0120160		
B	4620169	B		BLOCK MTG AUX OSC Q1	U	MOT	MR64			33	07	62	C	0120175		
B	4620179	B		BLOCK MTG AUX OSC Q2	U	MOT	MR64			33	07	62	C	0120175		
B	4620180	B		BLOCK MTG AUX OSC Q3	U	MOT	MR64			33	07	62	C	0120175		
B	4620181	B		BLOCK MTG AUX OSC Q5	U	MOT	MR64			33	07	62	C	0120175		
B	4620186	B		BLOCK MTG FIRST	U	MOT	MR64			33	07	62	C	0120171		
C	4620203	A		BLOCK MTG ANGLE	U	MOT	MR64			33	07	62	C	4620207		
C	4620204	A		BLOCK MTG XSISTR LG	U	MOT	MR64			33	07	62	C	4620255		
C	4620204	A		BLOCK MTG XSISTR LG	U	MOT	MR64			33	07	62	C	4620207		
C	4620205	A		BLOCK MTG XFMR	U	MOT	MR64			33	07	62	C	0120123		
C	4620207	A		BLOCK SUBASSY MTG	U	MOT	MR64			33	07	62	C	4620823		
C	4620207	A		BLOCK SUBASSY MTG	U	MOT	MR64			33	07	62	C	4620815		
C	4620207	A		BLOCK SUBASSY MTG	U	MOT	MR64			33	07	62	C	4620825		
C	4620209	A		BLOCK MTG XSISTR	U	MOT	MR64			33	07	62	C	4620207		
J	4620223	A		BLOCK MOUNTING DIODE	U	MOT	MR64			33	07	62	C	0120655		
C	4620254	A		BLOCK MTG AGC AMP	U	MOT	MR64			33	07	62	C	4620255		
C	4620255	A		BLOCK AGC AMPL	U	MOT	MR64			33	07	62	C	4620845		
C	4620255	A		BLOCK AGC AMPL	U	MOT	MR64			33	07	62	C	4620846		
C	4620255	A		BLOCK AGC AMPL	U	MOT	MR64			33	07	62	C	4620847		
C	4620255	A		BLOCK AGC AMPL	U	MOT	MR64			33	07	62	C	4620848		
C	4620255	A		BLOCK AGC AMPL	U	MOT	MR64			33	07	62	C	4620849		
C	4620316	A		BLOCK MTG XFMR	U	MOT	MR64			33	07	62	C	0120173		
C	4620815	B		BLOCK MTG FREQ MULT	U	MOT	MR64			33	07	62	C	0120177		
C	4620818	B		BLOCK MTG FREQ MULT	U	MOT	MR64			33	07	62	C	0120177		
C	4620822	B		BLOCK MTG FREQ MULT	U	MOT	MR64			33	07	62	C	0120177		
C	4620823	B		BLOCK MTG FREQ MULT	U	MOT	MR64			33	07	62	C	0120176		

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C	DRAWING NO.	BATCH NO.	REV	TITLE	CAGE	CLASS	VERSION CODE	RELEASE FOR		RECH. BY	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY
								GENERAL	TECH. SER.		MM	YY		
C	4620824	B		BLOCK MTG FREQ MULT	U	MOT	MR64			33	07	62		0120176
C	4620825	B		BLOCK MTG FREQ MULT	U	MOT	MR64			33	07	62		0120176
C	4620826	B		BLOCK MTG FREQ MULT	U	MOT	MR64			33	07	62		0120176
C	4620845	B		BLOCK MTG AMPL	U	MOT	MR64			33	07	62		0120174
C	4620846	B		BLOCK MTG AMPL	U	MOT	MR64			33	07	62		0120174
C	4620847	B		BLOCK MTG AMPL	U	MOT	MR64			33	07	62		0120174
C	4620848	B		BLOCK MTG AMPL	U	MOT	MR64			33	07	62		0120174
C	4620849	B		BLOCK MTG AMPL	U	MOT	MR64			33	07	62		0120174
B	4620854	B		BLOCK MOUNT AUX OSC	U	MOT	MR64			33	07	62		0120175
C	4620861	B		BLOCK MTG VCO	U	MOT	MR64			33	07	62		4620863
C	4620863	B		BLOCK MTG SUBASSY VCO	U	MOT	MR64			33	07	62		0120148
C	4622687	B	A	BLOCK MTG XSISTOR	U	MOT	MR64			33	07	62		4622695
C	4622694	A		BLOCK MTG X16 MULT	U	MOT	MR64			33	07	62		4622695
C	4622695	A		BLOCK SUBASSY MTG	U	MOT	MR64			33	07	62		4620822
C	4622695	A		BLOCK SUBASSY MTG	U	MOT	MR64			33	07	62		4620826
C	4622695	A		BLOCK SUBASSY MTG	U	MOT	MR64			33	07	62		4620818
C	4625203	B		BLK MTG MTL XSIST	U	MOT	MR64			33	07	62		4625204
B	4625204	B		BLOCK MTG	U	MOT	MR64			33	07	62		0120171
C	4625226	B		BLK ASSY MOUNTING	U	MOT	MR64			33	07	62		0120171
C	4625228	B		BLK MTP TRANSISTOR	U	MOT	MR64			33	07	62		0120123
C	4822700	A		CRYSTAL UNIT QUARTZ	U	MOT	MR64			33	07	62		0120175
C	4822700	A		CRYSTAL UNIT QUARTZ	U	MOT	MR64			33	07	62		0120148
B	4920225	A		DISK CENTER TUNED	U	MOT	MR64			33	07	62		0120310
B	4920225	A		DISK CENTER TUNED	U	MOT	MR64			33	07	62		0122726
F	6320802	B		CONVERTER FREQ SCHEM	U	MOT	MR64			33	07	62		0120170
F	6320803	B		OSCILLATOR AUXILIARY	U	MOT	MR64			33	07	62		0120175
U	6320804	B		FREQ MULT PLIER	U	MOT	MR64			33	07	62		0120177
U	6320805	B		FILTER LOW PASS	U	MOT	MR64			33	07	62		0120173
F	6320806	B		OSCILLATOR RADIO	U	MOT	MR64			33	07	62		0120148
U	6320807	B		FREQ MULT SCHEMATIC	U	MOT	MR64			33	07	62		0120176
U	6320808	B		AMPLIFIER DIREC SCHEM	U	MOT	MR64			33	07	62		0120174
U	6320809	B		AMPL IMMEDIATE SCHEM	U	MOT	MR64			33	07	62		0120172
F	6320810	B		AMPLIFIER FIRST	U	MOT	MR64			33	07	62		0120171
U	6320811	B		DETECTOR SCHEMATIC	U	MOT	MR64			33	07	62		0120168
F	6320812	B		FREQ DIVIDER	U	MOT	MR64			33	07	62		0120159
F	6321923	D		SCHEMATIC	U	MOT	MR64			33	07	62		0121924
F	6321927	D		SCHEMATIC	U	MOT	MR64			33	07	62		0121928
B	6420291	A		PLATE END TUNED CAVT	U	MOT	MR64			33	07	62		0120210
B	6420291	A		PLATE END TUNED CAVT	U	MOT	MR64			33	07	62		0127726
C	6420882	B		PLATE TUNED CAVITY	U	MOT	MR64			33	07	62		0120310

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REV	DRAWING NO	REV	TITLE	CHK	CLASS	RENDER	RELEASE FOR		REV	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY
							SERIAL	REVISION				
B	6420882	B	PLATE TUNED CAVITY	U	MOT	MR64	33	07	62	0	0122726	
B	7420278	A	FORM COIL	U	MOT	MR64	33	07	62	0	0120123	
B	7420838	B	FORM COIL	U	MOT	MR64	33	07	62	0	7720835	
B	7422752	A	FORM COIL x16	U	MOT	MR64	33	07	62	0	0120177	
B	7720835	B	TUNING ASSY	U	MOT	MR64	33	07	62	0	0126170	
	8421925	D	FABRICATION BD 1	U	MOT	MR64	33			0	0121924	
	8421925	D	ARTWORK BD1 FRONT	U	MOT	MR64	33			0	8421925	
	8421925	D	ARTWORK BD1 BACK	U	MOT	MR64	33			0	8421925	
	8421926	D	FABRICATION BD 2	U	MOT	MR64	33			0	0121924	
	8421926	D	ARTWORK BD2 BACK	U	MOT	MR64	33			0	8421926	
	8421929	D	FABRICATION BD 1	U	MOT	MR64	33			0	0121928	
	8421930	D	FABRICATION BD 2	U	MOT	MR64	33			0	0121928	
	6141500	3	RIB	U	RAN	MR64	33			0	4300194	
	6141500	4	TUNING BLOCK	U	RAN	MR64	33			0	4300194	
	6141501	5	RESONATOR	U	RAN	MR64	33			0	4300194	
	6141502	2	TELEPHONE SUPPORT	U	RAN	MR64	33			0	4300194	
	6141502	5	FILTER HOUSING	U	RAN	MR64	33			0	4300194	
	6141502	6	COVER	U	RAN	MR64	33			0	4300194	
	6141502	7	DISPLAY FILTER FL204	U	RAN	MR64	33			0	4300194	
	6141504	1	DIELECTRIC SUPPORT	U	RAN	MR64	33			0	4300194	
	6141504	2	ANT COUPLING ASSY	U	RAN	MR64	33			0	4300194	
	6141504	3	SET SCREW	U	RAN	MR64	33			0	4300194	
	6141504	4	SUPPORT ROD	U	RAN	MR64	33			0	4300194	
	6141504	5	RESONATOR SHAFT	U	RAN	MR64	33			0	4300194	
	6141504	6	SUPPORT NUT	U	RAN	MR64	33			0	4300194	
	6141504	7	FILTER ASSY FL204	U	RAN	MR64	33			0	4300194	
	6160500	0	CIRC & POWER MONITOR	U	RAN	MR64	33			0		
A	6160500	3	INSULATOR	U	RAN	MR64	33			0		
	6160501	4	HOUSING LOWER	U	RAN	MR64	33			0		
D	6160501	3	HOUSING UPPER	U	RAN	MR64	33			0		
C	6160501	7-2	HOUSING	U	RAN	MR64	33			0		
C	6160501	9	BRACKET	U	RAN	MR64	33			0		
C	6160501	5	CONNECTOR	U	RAN	MR64	33			0		
C	6160501	8	BRACKET SUPPORT	U	RAN	MR64	33			0		
C	6160501	6	CONNECTR SPEC TYPE N	U	RAN	MR64	33			0		
C	6160501	7-1	HOUSING	U	RAN	MR64	33			0		

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REV	DRAWING NO.	DATE	REV	TITLE	CPL	CLAS	VENOR CODE	RELEASE FOR		RESP.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								REASON	THRU SER.		NO.	YE.			
D	6160501	4		HOUSING LOWER			U	RAN	MR64	33			O		
C	6160502	2		SPIDER			U	RAN	MR64	33			O		
B	6160502	9		SPACER			U	RAN	MR64	33			O		
C	6160502	3		RESISTOR HOUSING			U	RAN	MR64	33			O		
B	6160502	8		SPACER			U	RAN	MR64	33			O		
C	6160502	1		MOUNTING BRACKET			U	RAN	MR64	33			O		
C	6160502	0		MOUNTING BRACKET			U	RAN	MR64	33			O		
B	6160502	5		MAGNET			U	RAN	MR64	33			O		
B	6160502	4		FERRITE			U	RAN	MR64	33			O		
B	6160502	6		POLE PIECE			U	RAN	MR64	33			O		
A	6160503	4		LOAD SUBASSY			U	RAN	MR64	33			O		
A	6160503	2		CENTER CONDUCTOR			U	RAN	MR64	33			O		
B	6160503	9		TUBE ASSY			U	RAN	MR64	33			O		
B	6160503	8		FLANGE			U	RAN	MR64	33			O		
A	6160503	7		TUBE			U	RAN	MR64	33			O		
A	6160503	5		RESISTOR HO. DER			U	RAN	MR64	33			O		
A	6160503	1		PLATE			U	RAN	MR64	33			O		
A	6160503	6		BEAD			U	RAN	MR64	33			O		
A	6160503	0		LOCKING NUT			U	RAN	MR64	33			O		
A	6160503	3		SUPPORT			U	RAN	MR64	33			O		
A	6160504	6		DIODE			U	RAN	MR64	33			O		
B	6160504	4		INNER CONDUCTOR			U	RAN	MR64	33			O		
A	6160504	0		INSULATOR			U	RAN	MR64	33			O		
A	6160504	1		INSULATOR			U	RAN	MR64	33			O		
A	6160504	3		INNER CONDUCTOR			U	RAN	MR64	33			O		
D	6160504	9		COUPLER HOUSING			U	RAN	MR64	33			O		
A	6160504	2		PLATE			U	RAN	MR64	33			O		
D	6160504	8		HOUSING MACH			U	RAN	MR64	33			O		
C	6160504	7		COVER			U	RAN	MR64	33			O		
A	6160505	9		LOAD ASSY			U	RAN	MR64	33			O		
C	6160505	0		SPIDER ASSY			U	RAN	MR64	33			O		
C	6160505	7		COVER			U	RAN	MR64	33			O		
A	6160505	8		TUNING SCREW			U	RAN	MR64	33			O		
B	6160506	5		COUPLER SUB-ASSY			U	RAN	MR64	33			O		
A	6160506	7		SPACER			U	RAN	MR64	33			O		
C	6160506	6		DIRECTIONAL CPLR ASSY			U	RAN	MR64	33			O		
A	6160506	9		SCREW MODIF			U	RAN	MR64	33			O		
B	6160508	7		POLE PIECE			U	RAN	MR64	33			O		
B	6160508	8		SHUNT			U	RAN	MR64	33			O		
	6160509	1		CIRC & PWR MON SCHEM			U	RAN	MR64	33			O		

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REV	DRAWING NO.	DATE	REV	TITLE	CPL	CLAS	VENOR CODE	RELEASE FOR		RESP.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								REASON	THRU SER.		NO.	YE.			
B	6160510	7		CONTACT ASSY			U	RAN	MR64	33			O		
B	6160510	6		CONTACT PLATE			U	RAN	MR64	33			O		
A	6160510	5		CRYSTAL SLIP			U	RAN	MR64	33			O		
A	6160510	3		CUP			U	RAN	MR64	33			O		
A	6160510	4		CONTACT PLATE			U	RAN	MR64	33			O		
A	6160512	5		INSULATION			U	RAN	MR64	33			O		
A	6160512	8		CRYSTAL CAP			U	RAN	MR64	33			O		
B	6160512	7-1		MONITOR PROBE ASSY			U	RAN	MR64	33			O		
A	6160513	4		HOLDER			U	RAN	MR64	33			O		
A	6160513	3		RESISTOR HOLDER			U	RAN	MR64	33			O		
B	6160513	0		CONNECTOR			U	RAN	MR64	33			O		
B	6160513	1		TERMINAL BOARD MODIF			U	RAN	MR64	33			O		
B	449101			PCB SW MODULE UPPER			U	TI	MR64	33			O	449104	
C	449102			SWITCH HIGH LEVEL			U	TI	MR64	33			O	457763	
B	449103			PCB LO LEVEL SWITCH			U	TI	MR64	33			O	449104	
C	449104			SWITCH LOW LEVEL			U	TI	MR64	33			O	460073	
C	449104			SWITCH LOW LEVEL			U	TI	MR64	33			O	457789	
B	457738		A	GROMMET TEFLON #1			U	TI	MR64	33			O	457782	
B	457739		A	GROMMET TEFLON #2			U	TI	MR64	33			O	449104	
B	457740		A	INSULATION SH ELECT			U	TI	MR64	33			O	457782	
B	457740		A	INSULATION SH ELECT			U	TI	MR64	33			O	449104	
C	457744		A	SHIELD SWITCH			U	TI	MR64	33			O	457782	
C	457744		A	SHIELD SWITCH			U	TI	MR64	33			O	449104	
F	457762			PCB DECKS C6D			U	TI	MR64	33			O	457763	
D	457763			SOLID STATE DKS C6D			U	TI	MR64	33			O	460805	
F	457768			PCB DECKS A6B			U	TI	MR64	33			O	457769	
D	457769			SOLID STATE DKS A6B			U	TI	MR64	33			O	460805	
B	457770			SCHEM SW LOW LEVEL			U	TI	MR64	33			O	449104	
B	457775			PCB UNIV BISTABLE #1			U	TI	MR64	33			O	457777	
B	457776			PCB UNIV BISTABLE #2			U	TI	MR64	33			O	457777	
C	457777		A	UNIV BISTABLE MODULE			U	TI	MR64	33			O	460894	
C	457777		A	UNIV BISTABLE MODULE			U	TI	MR64	33			O	460073	
C	457777		A	UNIV BISTABLE MODULE			U	TI	MR64	33			O	460023	
C	457777		A	UNIV BISTABLE MODULE			U	TI	MR64	33			O	457763	
C	457777		A	UNIV BISTABLE MODULE			U	TI	MR64	33			O	460894	
C	457777		A	UNIV BISTABLE MODULE			U	TI	MR64	33			O	460025	

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								REVISION	THRU						
C	457777		A	UNIV BISTABLE MODULE	U	T	MR64	33					0	460037	
C	457777		A	UNIV BISTABLE MODULE	U	T	MR64	33					0	460049	
C	457777		A	UNIV BISTABLE MODULE	U	T	MR64	33					0	457769	
C	457778			SCHEM UNIV BISTABLE	U	T	MR64	33					0	457777	
C	457779			SCHEM HI SPD BINARY	U	T	MR64	33					0	457777	
B	457780			PCB SW FLIP FLOP LO	U	T	MR64	33					0	457782	
B	457781			PCB SW FLIP FLOP UP	U	T	MR64	33					0	457782	
C	457782			SWITCH FLIP FLOP	U	T	MR64	33					0	457763	
C	457782			SWITCH FLIP FLOP	U	T	MR64	33					0	460899	
C	457782			SWITCH FLIP FLOP	U	T	MR64	33					0	457769	
C	457783			SCHEM SW FLIP FLOP	U	T	MR64	33					0	457782	
F	457788			PCB DECKS E&F	U	T	MR64	33					0	457789	
D	457789			LO LEVEL SWS DKS E&F	U	T	MR64	33					0	460806	
R	457790			SCHEM LO SPEED CTR	U	T	MR64	33					0	460037	
R	457790			SCHEM LO SPEED CTR	U	T	MR64	33					0	457789	
F	457795			PCB AMPL LOW BAND	U	T	MR64	33					0	457796	
D	457796			AMPLIFIERS LOW LEVEL	U	T	MR64	33					0	460807	
R	457797			SCHEM AMPL&SIG COND	U	T	MR64	33					0	460083	
R	457797			SCHEM AMPL&SIG COND	U	T	MR64	33					0	457796	
B	460005			PCB MATRIX PN GEN LO	U	T	MR64	33					0	460007	
B	460006			PCB MATRIX PN GEN UP	U	T	MR64	33					0	460007	
C	460007			MATRIX PN GENERATOR	U	T	MR64	33					0	460073	
C	460008			SCHEM MATRIX PN GEN	U	T	MR64	33					0	460007	
B	460009			PCB LO SPEED CTR LOW	U	T	MR64	33					0	460011	
B	460010			PCB LO SPEED CTR UP	U	T	MR64	33					0	460011	
C	460011			MATRIX LO SPEED CTR	U	T	MR64	33					0	460037	
C	460012			SCHEM LO SPEED CTR	U	T	MR64	33					0	460011	
F	460022			PCB BLIP REGISTER #1	U	T	MR64	33					0	460023	
D	460023			BLIP REGISTER #1	U	T	MR64	33					0	460803	
F	460024			PCB BLIP REGISTER #2	U	T	MR64	33					0	460025	
D	460025			BLIP REGISTER #2	U	T	MR64	33					0	460803	
R	460026			SCHEM BLIP REGISTER	U	T	MR64	33					0	460023	
R	460026			SCHEM BLIP REGISTER	U	T	MR64	33					0	460023	
F	460027			PCB BUCKING PWR SUP	U	T	MR64	33					0	460028	
D	460028			BUCKING POWER SUPPLY	U	T	MR64	33					0	460804	
R	460029			SCHEM POWER SUPPLY	U	T	MR64	33					0	460028	
F	460036			PCB LO SPEED COUNTER	U	T	MR64	33					0	460037	
D	460037			LOW SPEED COUNTER	U	T	MR64	33					0	460806	
C	460046			MONOSTABLE FLIP FLOP	U	T	MR64	33					0	460049	
F	460048			PCB MASTER COUNTER	U	T	MR64	33					0	460049	

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								REVISION	THRU						
D	460049			COUNTER MASTER	U	T	MR64	33					0	460802	
R	460061			SCHEM MA LTR&XFR REG	U	T	MR64	33					0	460899	
R	460061			SCHEM MA LTR&XFR REG	U	T	MR64	33					0	460049	
R	460062			SCHEM DECKS A&B C&D	U	T	MR64	33					0	457763	
R	460062			SCHEM DECKS A&B C&D	U	T	MR64	33					0	457769	
B	460069			HEAT SINK PWR SUPPLY	U	T	MR64	33					0	460804	
F	460072			PCB PN GENERATOR	U	T	MR64	33					0	460073	
D	460073			PN GEN/FREQ&MOD CKTY	U	T	MR64	33					0	460801	
R	460074			SCHEM PN GENERATOR	U	T	MR64	33					0	460073	
F	460075			PCB POWER SUPPLY	U	T	MR64	33					0	460076	
D	460076			POWER SUPPLY	U	T	MR64	33					0	460804	
F	460082			PCB COMP ISOL AMPL	U	T	MR64	33					0	460083	
D	460083			COMPARATOR ISOL AMPL	U	T	MR64	33					0	460807	
D	460084			SUBCHAS SINGLE CONN	U	T	MR64	33					0	460800	
D	460084			SUBCHAS SINGLE CONN	U	T	MR64	33					0	460801	
D	460084			SUBCHAS SINGLE CONN	U	T	MR64	33					0	460802	
D	460085			SUBCHAS DOUBLE CONN	U	T	MR64	33					0	460803	
D	460085			SUBCHAS DOUBLE CONN	U	T	MR64	33					0	460805	
D	460085			SUBCHAS DOUBLE CONN	U	T	MR64	33					0	460806	
D	460085			SUBCHAS DOUBLE CONN	U	T	MR64	33					0	460807	
D	460086			SUBCHAS POWER SUPPLY	U	T	MR64	33					0	460804	
A	460890			ANALOG-TO-DIGIT CONV	U	T	MR64	33					0	4600322	
A	460801			PN GEN FREQ&MOD CKTY	U	T	MR64	33					0	4600325	
A	460802			TRANSFER REGISTER	U	T	MR64	33					0	4600327	
A	460803			BLIP REGISTERS	U	T	MR64	33					0	4600326	
A	460804			POWER SUPPLY	U	T	MR64	33					0	4600329	
A	460805			SOLID STATE DKS ABCD	U	T	MR64	33					0	4600325	
A	460806			SOLID STATE DKS E&F	U	T	MR64	33					0	4600324	
A	460807			AMPLIFIERS	U	T	MR64	33					0	4600323	
C	460817			MARKING POWER SUPPLY	U	T	MR64	33					0	4600336	
C	460818			MARKING PN GENERATOR	U	T	MR64	33					0	460084	
C	460819			MARKING BLIP REGS	U	T	MR64	33					0	460083	
C	460820			MARKING TRANSFER REG	U	T	MR64	33					0	460074	
C	460821			MARKING DECKS ABCD	U	T	MR64	33					0	460073	
C	460822			MARKING DECKS E&F	U	T	MR64	33					0	460085	
C	460823			MARKING AMPLIFIERS	U	T	MR64	33					0	460085	
C	460824			MARKING CONVERTERS	U	T	MR64	33					0	460084	
F	460891			PCB COMPARATOR	U	T	MR64	33					0	460892	
F	460892			COMPARATOR & INTEGRA	U	T	MR64	33					0	460800	
F	460893			PCB DECOUPLER	U	T	MR64	33					0	460894	

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								SERIAL	THRU SER.		NO.	YY.			
B	123638			L-BAND SYS ENCODER	U	JPL	MR64			31			O		
B	123635			L-BAND SYS L-BAND	U	JPL	MR64			31			O		
B	123636			L-BAND SYS COMMAND	U	JPL	MR64			31			O		
B	123637			L-BAND SYS POWER	U	JPL	MR64			31			O		
B	123639			L-BAND SYS ATT CONT	U	JPL	MR64			31			O		
B	123640			L-BAND SYS WIRING	U	JPL	MR64			31			O		
B	123641			COMMAND SYS POWER	U	JPL	MR64			31			O		
B	123642			COMMAND SYS CC&S	U	JPL	MR64			31			O		
B	123643			COMMAND SYS ENCODER	U	JPL	MR64			31			O		
B	123644			COMMAND SYS ENCODER	U	JPL	MR64			31			O		
B	123645			COMMAND SYS ATT CONT	U	JPL	MR64			31			O		
B	123646			COMMAND SYS SCIENCE	U	JPL	MR64			31			O		
B	123647			POWER SYS POWER	U	JPL	MR64			31			O		
B	123648			POWER SYS POWER	U	JPL	MR64			31			O		
B	123649			POWER SYS CC&S	U	JPL	MR64			31			O		
B	123650			POWER SYS ENCODER	U	JPL	MR64			31			O		
B	123651			POWER SYS ENCODER	U	JPL	MR64			31			O		
B	123652			POWER SYS A/C	U	JPL	MR64			31			O		
B	123653			POWER SYS PYRO	U	JPL	MR64			31			O		
B	123654			POWER SYS WIRING	U	JPL	MR64			31			O		
B	123655			SYSTEM	U	JPL	MR64			31			O		
B	123656			POWER SYS SCIENCE	U	JPL	MR64			31			O		
B	123657			SYSTEM	U	JPL	MR64			31			O		
B	123658			SYSTEM	U	JPL	MR64			31			O		
B	123659			SYSTEM	U	JPL	MR64			31			O		
B	123660			CC&S SYS ENCODER	U	JPL	MR64			31			O		
B	123661			CC&S SYS A/C	U	JPL	MR64			31			O		
B	123662			CC&S SYS A/C	U	JPL	MR64			31			O		
B	123663			CC&S SYS PYRO	U	JPL	MR64			31			O		
B	123664			CC&S SYS WIRING	U	JPL	MR64			31			O		
B	123665			CC&S SYS SCIENCE	U	JPL	MR64			31			O		
B	123666			ENCODER SYS A/C	U	JPL	MR64			31			O		
B	123667			ENCODER SYS A/C	U	JPL	MR64			31			O		
B	123668			ENCODER SYS PYRO	U	JPL	MR64			31			O		
B	123669			ENCODER SYS WIRING	U	JPL	MR64			31			O		
B	123670			ENCODER SYS WIRING	U	JPL	MR64			31			O		
B	123671			ENCODER SYS PROPULSN	U	JPL	MR64			31			O		
B	123672			ENCODER SYS THERMAL	U	JPL	MR64			31			O		
B	123673			ENCODER SYS THERMAL	U	JPL	MR64			31			O		
B	123674			ENCODER SYS SCIENCE	U	JPL	MR64			31			O		

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								SERIAL	THRU SER.		NO.	YY.			
B	123675			ENCODER SYS RADIOMTR	U	JPL	MR64			31			O		
B	123676			ENCODER SYS PARTICLE	U	JPL	MR64			31			O		
B	123677			A/C SYS A/C	U	JPL	MR64			31			O		
B	123678			A/C SYS A/C	U	JPL	MR64			31			O		
B	123679			A/C SYS A/C	U	JPL	MR64			31			O		
B	123680			A/C SYS WIRING	U	JPL	MR64			31			O		
B	123681			SYS	U	JPL	MR64			31			O		
B	123682			PYRO SYS PYRO	U	JPL	MR64			31			O		
B	123683			PYRO SYS PYRO	U	JPL	MR64			31			O		
B	123684			PYRO SYS PYRO	U	JPL	MR64			31			O		
B	123685			SYSTEM	U	JPL	MR64			31			O		
B	123686			WIRING SYS WIRING	U	JPL	MR64			31			O		
B	123687			SCIENCE SYS	U	JPL	MR64			31			O		
B	123688			SCIENCE SYS MAG	U	JPL	MR64			31			O		
B	123689			SCIENCE SYS MAGNOT	U	JPL	MR64			31			O		
B	123690			SCIENCE SYS PLASMA	U	JPL	MR64			31			O		
B	123691			SCIENCE SYS COSMIC	U	JPL	MR64			31			O		
B	123692			SCIENCE SYS PARTICLE	U	JPL	MR64			31			O		
B	123693			SCIENCE SYS RADIOMTR	U	JPL	MR64			31			O		
B	123694			SCIENCE SYS SCIENCE	U	JPL	MR64			31			O		
B	123695			SCIENCE SYS SCIENCE	U	JPL	MR64			31			O		
B	123696			SYSTEM	U	JPL	MR64			31			O		
B	123697			MAG SYS MAG	U	JPL	MR64			31			O		
B	123698			MAG SYS MAG	U	JPL	MR64			31			O		
B	123699			PARTICLE FLUX ION	U	JPL	MR64			31			O		
B	123700			WAVEGUIDE DATA	U	JPL	MR64			31			O		
B	123701			POWER	U	JPL	MR64			31			O		
B	123702			WAVEGUIDE DATA	U	JPL	MR64			31			O		
B	123703			WAVEGUIDE DATA	U	JPL	MR64			31			O		
B	123704			WAVEGUIDE DATA	U	JPL	MR64			31			O		
B	123705			WAVEGUIDE DATA	U	JPL	MR64			31			O		
C	3157763			SERVO SPEC CONTROL	U	JPL	MR64			31	11	62	J	3157765	
J	4100311			RING MT OMNI ANTENNA	U	JPL	MR64			31	01	63	J	4101025	
C	4100317		A	TUBE SUPERSTRUCTURE	U	JPL	MR64			31	01	63	J	4101024	
J	4100340		A	TRUSS SECTION 3 ASSY	U	JPL	MR64			31	01	63	J	4101002	
C	4100341		B	FITTING TRUSS SEC 3	U	JPL	MR64			31	01	63	J	4100340	
D	4100342		A	FITTING TRUSS SEC 3	U	JPL	MR64			31	01	63	J	4100340	
C	4100351		A	FITTING TRUSS SEC 1	U	JPL	MR64			31	01	63	J	4101024	
D	4100352		A	FITTING TRUSS SEC 1	U	JPL	MR64			31	01	63	J	4101024	
D	4100353		A	FITTING TRUSS SEC 1	U	JPL	MR64			31	01	63	J	4101024	

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**DRAWING LIST**

REV	DRAWING NO.	BATCH NO.	REV	TITLE	CHK	CLAS	VENOR CODE	RELEASE FOR		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								REPLACED	THRU DES.		NO.	IN.			
C	4100354		A	BRKT-INFRA RED SHILD			U JPL	MR64		31	01	63	J		4101024
C	4100355		A	GUSSET TRUSS SEC 1			U JPL	MR64		31	01	63	J		4101024
D	4100358		A	FITTING TRUSS ASSY			U JPL	MR64		31	01	63	J		4100360
D	4100359		A	FITTING TRUSS LOWER			U JPL	MR64		31	01	63	J		4100360
J	4100360		A	TRUSS SECTION 2 ASSY			U JPL	MR64		31	01	63	J		4101002
J	4100370		B	PLATE, ASSEMBLY			U JPL	MR64		31	01	63	J		4101002
D	4100371		A	JOINT PLATE SUPERSTR			U JPL	MR64		31	01	63	J		4100370
C	4100372		A	JOINT PLATE SUPERSTR			U JPL	MR64		31	01	63	J		4100370
B	4100446		A	BRKT, TRUSS SECT 11			U JPL	MR64		31	01	63	J		4100360
D	4101023		A	FITTING TRUSS SEC 1			U JPL	MR64		31	01	63	J		4101024
J	4101024		A	TRUSS SECTION 1 ASSY			U JPL	MR64		31	01	63	J		4101002
C	4200004		A	SHIELD LIGHT ADJ #1			U JPL	MR64		31	10	62	J		4200002

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REV	DRAWING NO.	BATCH NO.	REV	TITLE	CHK	CLAS	VENOR CODE	RELEASE FOR		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								REPLACED	THRU DES.		NO.	IN.			
A	61001			WIRE-CODE-COLOR&FUNC			U CCC	MR64		32			O		
A	61002			FLIP FLOP SCHEMATIC			U CCC	MR64		32			O		
A	61003			EMITTER FOLLOW SCHEM			U CCC	MR64		32			O		
A	61004			POWER ON RESET SCHEM			U CCC	MR64		32			O		
A	61005			REF SUPPLY SCHEMATIC			U CCC	MR64		32			O		
A	61006			RESET AMPLIF SCHEM			U CCC	MR64		32			O		
A	61007			CRD GATE SCHEMATIC			U CCC	MR64		32			O		
A	61008			AND GATE SCHEMATIC			U CCC	MR64		32			O		
A	61009			A/D CONV COMP SCHEM			U CCC	MR64		32			O		
A	61010			AND GATE SCHEM			U CCC	MR64		32			O		
A	61011			A/D CONV COMP SCHEM			U CCC	MR64		32			O		
A	61012			A/D CONV INPT SCHEM			U CCC	MR64		32			O		
A	61013			A/D CONV COMP SCHEM			U CCC	MR64		32			O		
A	61014			A/D CONV&INPUT SCHEM			U CCC	MR64		32			O		
A	61015			OR INVERT SCHEMATIC			U CCC	MR64		32			O		
B	61016			A/D CONV COMP SCHEM			U CCC	MR64		32			O		
B	61017			D-A STEP STAIR SCHEM			U CCC	MR64		32			O		
C	61019			LOGIC SUBCHAS 20A21			U CCC	MR64		32			O		
C	61020			LOGIC SUBCHAS 20A22			U CCC	MR64		32			O		
C	61021			LOGIC SUBCHAS 20A23			U CCC	MR64		32			O		
C	61022			LOGIC SUBCHAS 20A24			U CCC	MR64		32			O		
C	61023			LOGIC SUBCHAS 20A25			U CCC	MR64		32			O		
A	61024			37 PIN CONN 20A21 J1			U CCC	MR64		32			O		
A	61025			37 PIN CONN 20A22 J1			U CCC	MR64		32			O		
A	61026			37 PIN CONN 20A23 J1			U CCC	MR64		32			O		
A	61027			37 PIN CONN 20A24 J1			U CCC	MR64		32			O		
A	61028			37 PIN CONN 20A25 J1			U CCC	MR64		32			O		
A	61029			15 PIN CONN 20A26 J1			U CCC	MR64		32			O		
A	61030			50 PIN CONN 20A21 J1			U CCC	MR64		32			O		
A	61031			50 PIN CONN 20A22 J2			U CCC	MR64		32			O		
A	61032			50 PIN CONN 20A23 J2			U CCC	MR64		32			O		
A	61033			50 PIN CONN 20A24 J2			U CCC	MR64		32			O		
A	61034			50 PIN CONN 20A25 J2			U CCC	MR64		32			O		
C	123832			PARTS LIST			U CCC	MR64		32			O		
J	123833			LOGICAL DIAGRAM			U CCC	MR64		32			O		
D	122436			HEL MAGNETOMETER SK			U JPL	MR64		32			O		

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REV	DRAWING NO.	REV NO.	REV	TITLE	REV	REV CODE	RELEASE FOR		REV. NO.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							ASSEMBLY	THRU SER.					
D	123213			PWR SUPP SCHEM	U	JPL	MR64	32		0			
A	123862			DATA ENC OUTPUT CKT	U	JPL	MR64	32		0			
A	123863			DC AMPL OUTPUT STAGE	U	JPL	MR64	32		0			
A	123864			SCALE SW BLOCK DGM	U	JPL	MR64	32		0			
A	123865			AMPL STAGE SCALE SW	U	JPL	MR64	32		0			
A	123866			CAL CKT INPUT STAGE	U	JPL	MR64	32		0			
J	4800836			RADIOMETER LAYOUT	U	JPL	MR64	32		0			
J	4800345		B	SCHEM PARTICLE FLUX	U	JPL	MR64	32		0		4800344	
J	4800825			SCHEMATIC PROGRAMMER	U	JPL	MR64	32		0		4800993	
J	4800825			SCHEMATIC PROGRAMMER	U	JPL	MR64	32		0		4800995	
J	4800826			SCHEMATIC SWEEP AMPL	U	JPL	MR64	32		0		4800981	
J	4800826			SCHEMATIC SWEEP AMPL	U	JPL	MR64	32		0		4800983	
J	4800827			SCHEMATIC PLASMA	U	JPL	MR64	32		0		4800987	
J	4800827			SCHEMATIC PLASMA	U	JPL	MR64	32		0		4800989	
D	4800857			SUBCHASS PREAMPLIFR	U	JPL	MR64	32	12	62	J	4800876	
D	4800857			SUBCHASS PREAMPLIFR	U	JPL	MR64	32	12	62	J	4800856	
J	4800859			CB1 PC PRE-AMP CH162	U	JPL	MR64	32		0			
C	4800863			SCHEMATIC PRE-AMP	U	JPL	MR64	32	12	62	J	4800856	
D	4800864			8.5M SUBASSY CHAN 32	U	JPL	MR64	32		0		4800881	
D	4800865			SUBCHASS ELEC UNIT	U	JPL	MR64	32		0		4800964	
J	4800866			CB2 SW DRIVER CH#2	U	JPL	MR64	32		0		4800879	
A	4800866	PL		CB2 SW DRIVER CH#2	U	JPL	MR64	32		0		4800864	
A	4800867			CB2 PC SW DRIVER	U	JPL	MR64	32		0		4800867	
J	4800868			CB1 POST AMPLIFIER	U	JPL	MR64	32		0		4800864	
J	4800869			CB1 PC POST AMPL	U	JPL	MR64	32		0		4800868	
J	4800870			CB3 DEMODULATOR	U	JPL	MR64	32		0		4800864	
A	4800870	PL		CB3 DEMODULATOR	U	JPL	MR64	32		0		4800870	
J	4800871			CB3 PC DEMODULATOR	U	JPL	MR64	32		0		4800973	
J	4800871			CB3 PC DEMODULATOR	U	JPL	MR64	32		0			
J	4800872			SCHEM CHANNEL 32	U	JPL	MR64	32		0			
D	4800873			POWER SUPPLY SUBASSY	U	JPL	MR64	32		0			
A	4800873	PL		POWER SUPPLY SUBASSY	U	JPL	MR64	32		0		4800873	
D	4800874			SUBCHASS PWR SUPPLY	U	JPL	MR64	32		0		4800873	
C	4800875			SHIELD PRE-AMP	U	JPL	MR64	32		0			
C	4800877			SCHEMATIC PRE-AMP	U	JPL	MR64	32	12	62	J	4800876	
J	4800879			CHANNEL #2 SUBASSY	U	JPL	MR64	32		0		4800881	
A	4800879	PL		CHANNEL #2 SUBASSY	U	JPL	MR64	32		0		4800879	
D	4800880			33MM CH 1 SCHEMATIC	U	JPL	MR64	32		0			
J	4800881			MICROWAVE RADIOMETER	U	JPL	MR64	32		0			
J	4800936			CHASS PARTICLE FLUX	U	JPL	MR64	32		0		4801028	

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REV	DRAWING NO.	REV NO.	REV	TITLE	REV	REV CODE	RELEASE FOR		REV. NO.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
							ASSEMBLY	THRU SER.					
J	4800940			CB1 PARTICLE FLX DET	U	JPL	MR64	32		0		4800881	
J	4800945			CIRCULATOR CONT DWG	U	JPL	MR64	32		0		4800881	
J	4800946			SW FERRITE CONT DWG	U	JPL	MR64	32		0		4800881	
J	4800947			SUPPORT ASY SHIELD	U	JPL	MR64	32		0		4800881	
J	4800948			SHIELD THERMAL ASY	U	JPL	MR64	32		0		4800881	
C	4800951			ADAPTER CONT DWG	U	JPL	MR64	32		0			
C	4800964			BRACKET CONNECTOR	U	JPL	MR64	32		0			
J	4800965			UV PHOTOMTR CON DWG	U	JPL	MR64	32		0			
J	4800966			REFERENCE HORN	U	JPL	MR64	32		0			
J	4800967			COVER HORN	U	JPL	MR64	32		0			
J	4800971			TB1 POST AMP CH1	U	JPL	MR64	32		0		4800880	
A	4800971	PL		TB1 POST AMP CH1	U	JPL	MR64	32		0		4800971	
J	4800972			CB2 SWITCH DRIVER	U	JPL	MR64	32		0		4800879	
J	4800973			CB3 DEMODULATOR CH1	U	JPL	MR64	32		0		4800879	
J	4800974			CB2 PC SW DRIVER	U	JPL	MR64	32		0		4800972	
J	4800975			CB1 PC POST AMPL	U	JPL	MR64	32		0		4800971	
J	4800976			CB4 REF OSCILLATOR	U	JPL	MR64	32		0		4800864	
A	4800976	PL		CB4 REF OSCILLATOR	U	JPL	MR64	32		0		4800976	
J	4800977			CB4 PC REF OSCILLATR	U	JPL	MR64	32		0		4800976	
J	4800977			CB4 PC REF OSCILLATR	U	JPL	MR64	32		0		4801011	
A	4800977	PL		CB4 PC CH162	U	JPL	MR64	32		0		4800977	
D	4800980			SUBCHASS SWEEP AMPL	U	JPL	MR64	32		0		4800979	
A	4800981	PL		CB5	U	JPL	MR64	32		0		4800981	
A	4800983	PL		CB6	U	JPL	MR64	32		0		4800983	
J	4800986			SUBCHAS PLASMA ELECT	U	JPL	MR64	32		0		4800985	
A	4800987	PL		CB1	U	JPL	MR64	32		0		4800987	
A	4800989	PL		CB2	U	JPL	MR64	32		0		4800989	
D	4800992			SUBCHAS PROGRAMMER	U	JPL	MR64	32		0		4800991	
A	4800993	PL		CB3	U	JPL	MR64	32		0		4800993	
A	4800995	PL		CB4	U	JPL	MR64	32		0		4800994	
J	4800997			CHASS ASSY PWR SUPP	U	JPL	MR64	32		0			
J	4801002			PARTICLE FLX SCHEM	U	JPL	MR64	32		0			
B	4801005			ALIGNMENT WASHER	U	JPL	MR64	32		0		4800882	
C	4801006			ADJUSTMENT STUD CHAS	U	JPL	MR64	32		0		4800882	
J	4801011			CB4 REF OSCILLATOR	U	JPL	MR64	32		0		4800879	
B	4801012			SPACER TUNING FORK	U	JPL	MR64	32		0		4800864	
B	4801012			SPACER TUNING FORK	U	JPL	MR64	32		0		4800879	
B	4801013			TRANSPONDER CAP SW	U	JPL	MR64	32		0		4800868	
B	4801013			TRANSPONDER CAP	U	JPL	MR64	32		0		4800972	
J	4801014			SHIELD ELEC UNIT	U	JPL	MR64	32		0		4800864	

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REV	DRAWING NO.	PART NO.	REV.	TITLE	CPL	CLASS	VERSION CODE	RELEASE FOR		REF. PR.	P. CLAS		DRAWING CONTROL STATUS	NEXT ASSEMBLY	I.C.
								MAJOR ELEM	SERIAL		THRU SER.	DATE			
B	4801015			INSULATOR		U	JPL	MR64	32			0		4800986	
B	4801016			INSULATOR		U	JPL	MR64	32			0		4800986	
B	4801017			INSULATOR		U	JPL	MR64	32			0		4800986	
B	4801018			INSULATOR		U	JPL	MR64	32			0		4800992	
B	4801019			INSULATOR		U	JPL	MR64	32			0		4800992	
B	4801020			INSULATOR		U	JPL	MR64	32			0		4800980	
B	4801021			INSULATOR		U	JPL	MR64	32			0		4800980	
D	4801022			CB1 PARTICLE FLUX		U	JPL	MR64	32			0			
J	4801023			CB1 PC PARTICLE FLUX		U	JPL	MR64	32			0		4801022	
D	4801024			MAG SENSOR 22A1 CONT		U	JPL	MR64	32			0			
D	4801025			MAG EL 22A2 CONT DWG		U	JPL	MR64	32			0			
D	4801026			MAG EL 22A3 CONT DWG		U	JPL	MR64	32			J			
C	4801027			TB PARTICLE FLUX		U	JPL	MR64	32			0		4800352	
J	4801028			SUBASSY PARTICLE FLX		U	JPL	MR64	32			0			
J	4801029			CHASS PARTICLE FLUX		U	JPL	MR64	32			0			
	200			40A1 PWR SW-SCAN ACT		U	JPL	MR64	32			0			
	201			40A1 PWR SW-UV PHOTO		U	JPL	MR64	32			0			
	202			40A1 PWR SW-RADIOMTR		U	JPL	MR64	32			0			
	203			40A1 PWR SW-ATT CONT		U	JPL	MR64	32			0			
	204			40A1 P SW-SCI INSTR		U	JPL	MR64	32			0			
	205	A		21 MICROWAVE RAD-GSE		U	JPL	MR64	32			0			
	204			40A1 SCI PWR SW-DAS		U	JPL	MR64	32			0			
	206			40A1 SCI PWR SW-DAS		U	JPL	MR64	32			0			
	207			40A1 PWR SW-DECODER		U	JPL	MR64	32			0			
	302			21 MICROWAVE RAD-DAS		U	JPL	MR64	32			0			
	303			21 MICRO RAD-DAS/ENG		U	JPL	MR64	32			0			
	304			21 MICROWAVE RAD-GSE		U	JPL	MR64	32			0			
	401			27A1 IR RADIOMTR-DAS		U	JPL	MR64	32			0			
	402			27A2 IR RAD CAL-DAS		U	JPL	MR64	32			0			
	403			27A1 IR RAD-ISOL BOX		U	JPL	MR64	32			0			
	500			22 MAGNETOMETER-DAS		U	JPL	MR64	32			0			
	600			23 SOLAR PLASMA-GSE		U	JPL	MR64	32			0			
	601			23 SOL PLAS PROG-GSE		U	JPL	MR64	32			0			
	602			20A5 SOL PLASMA-GSE		U	JPL	MR64	32			0			
	603			23 SOL PLASMA-GSE		U	JPL	MR64	32			0			
	604			23 SOL PLASMA-GSE		U	JPL	MR64	32			0			
	605			23 SOL PLASMA-DAS		U	JPL	MR64	32			0			
	606			23 SOL PLASMA-DAS		U	JPL	MR64	32			0			
	607			23 SOL PLAS PROG-DAS		U	JPL	MR64	32			0			
	700			25 PART FLUX DET-GSE		U	JPL	MR64	32			0			

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REV	DRAWING NO.	DATE	BY	TITLE	REV	ISSUED	RELEASE FOR		REV.	RELEASE		DRAWING	NEXT	REV
							SERIAL	THIRD SER.		NO.	TR.			
E	550717			PWR SUP MK2 L-BAND		U	AEI	MR64	33			O	4600312	
A	550717	PL	A	PWR SUP MK2 L-BAND		U	AEI	MR64	33			O	550717	
C	850738		A	ARTWORK TEMPLATE		U	AEI	MR64	33			O	550717	
C	850741		A	ARTWORK TEMPLATE		U	AEI	MR64	33			O	550717	
C	850749		A	TRANSFORMER-PWR T401		U	AEI	MR64	33			O	550717	
C	850750		A	SILKSCREEN		U	AEI	MR64	33			O	550717	
D	950716		A	CHASSIS MK2 L-BAND		U	AEI	MR64	33			O	550717	
D	950718		A	ENV MK2 L-BAND PWR		U	AEI	MR64	33			O	550717	
D	950721		A	SCHEMATIC MK2 L-BAND		U	AEI	MR64	33			O	550717	
D	950739		A	COMPONENT BOARD REG		U	AEI	MR64	33			O	550717	
D	950740		A	COMPONENT BOARD REG		U	AEI	MR64	33			O	550717	
D	950742		A	COMPONENT BD UNREG		U	AEI	MR64	33			O	550717	
D	950743		A	COMPONENT BD UNREG		U	AEI	MR64	33			O	550717	
D	4600317		B	JUNCTION BOX SCHEM		U	JPL	MR64	33	01	62	J	4600318	
A	4600318	PL	B	JUNCTION BOX COMMUN		U	JPL	MR64	33	01	62	J	4600318	
D	4600319		B	CB1 PC JUNCTION BOX		U	JPL	MR64	33	01	62	J	4600318	
D	4600320		B	SPACER JUNCTION BOX		U	JPL	MR64	33	10	61	J	4600318	
D	4600321		B	SUBCHASS JUNCT BOX		U	JPL	MR64	33	08	62	J	4600318	
F	120123			XPONDER SUBASSY		U	MOT	MR64	33	07	62	C	4300187	
F	120148	B		OSCILLATOR RADIO		U	MOT	MR64	33	07	62	C	0120123	
F	120159	B		FREQUENCY DIVIDER		U	MOT	MR64	33	07	62	C	0120178	
D	120160	B		DETECTOR RADIO FREQU		U	MOT	MR64	33	07	62	C	0120178	
B	120168	B		FILTER SUBASSY LOW		U	MOT	MR64	33	07	62	C	0120173	
D	120170			CONVERTER FREQ ELECT		U	MOT	MR64	33	07	62	C	0120123	
D	120171			AMPLIFIER INTER FREQ		U	MOT	MR64	33	07	62	C	0120178	
D	120172			AMP 2 INTERMED FREQ		U	MOT	MR64	33	07	62	C	0120178	
D	120173	B		FILTER LOW PASS		U	MOT	MR64	33	07	62	C	0120123	
D	120174			AMPLIFIER DIRECT		U	MOT	MR64	33	07	62	C	0120178	
D	120175	B		OSCILLATOR RADIO		U	MOT	MR64	33	07	62	C	0120123	
D	120176	B		FREQUENCY MULTIPLIER		U	MOT	MR64	33	07	62	C	0120123	
D	120177			FREQ MULTIPLIER		U	MOT	MR64	33	07	62	C	0120123	
F	120178			XPONDER SUBASSY		U	MOT	MR64	33	07	62	C	4300188	

\* DENOTES CHANGE TO PREVIOUS LIST

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**DRAWING LIST**

REV	DRAWING NO.	DATE	BY	TITLE	REV	ISSUED	RELEASE FOR		REV.	RELEASE		DRAWING	NEXT	REV
							SERIAL	THIRD SER.		NO.	TR.			
D	120199	B		AMPLIFIER SUBASSY		U	MOT	MR64	33	07	62	C	0120172	
H	120310	A		CAVITY TUNED X7		U	MOT	MR64	33	07	62	C	0120176	
C	120834	B		BLOCK MTG SUBASSY		U	MOT	MR64	33	07	62	C	0120170	
C	120855	B		FREQ CONVERTER LOWER		U	MOT	MR64	33	07	62	C	0120170	
D	120856	B		FREQ CONVERTER SUBAY		U	MOT	MR64	33	07	62	C	0120170	
D	121924	D		PLUS 6 VDC RECTIFIER		U	MOT	MR64	33			O		
H	121928	D		- 6 VDC RECTIFIER		U	MOT	MR64	33			O		
H	122726	A		CAVITY TUNED X4		U	MOT	MR64	33	07	62	C	0120177	
B	220126	B		NUT PLAIN HEXAGON		U	MOT	MR64	33	07	62	C	0120310	
C	320127	B		SCREW TUNER CAVITY		U	MOT	MR64	33	07	62	C	0120310	
C	320127	B		SCREW TUNER CAVITY		U	MOT	MR64	33	07	62	C	0122726	
C	320280	A		RETAINER THREADED		U	MOT	MR64	33	07	62	C	0120170	
B	420201	A		WASHER FLAT		U	MOT	MR64	33	07	62	C	0120178	
B	420202	A		WASHER FLAT		U	MOT	MR64	33	07	62	C	0120177	
B	520857	B		GROMMET METALLIC		U	MOT	MR64	33	07	62	C	0120170	
D	720134	B		BRACKET CONNECTR MTG		U	MOT	MR64	33	07	62	C	0120123	
D	720137	B		BRACKET CONNECTR MTG		U	MOT	MR64	33	07	62	C	0120178	
D	720262	A		BRACKET RETAINER		U	MOT	MR64	33	07	62	C	0120170	
D	820219	A		CAPACITOR FIXED PLAS		U	MOT	MR64	33	07	62	C	0120173	
B	1420136	B		INSULATOR PLATE		U	MOT	MR64	33	07	62	C	0120173	
B	1420202	A		INSULATOR PLATE		U	MOT	MR64	33	07	62	C	0120174	
B	1420221	A		INSULATOR BUSHING		U	MOT	MR64	33	07	62	C	0120123	
B	1420277	A		INSULATOR XFORMER		U	MOT	MR64	33	07	62	C	0120123	
B	1422730	A		INSULATOR CONTACT		U	MOT	MR64	33	07	62	C	0120310	
B	1422730	A		INSULATOR CONTACT		U	MOT	MR64	33	07	62	C	0122726	
C	1422733	A		INSULATOR		U	MOT	MR64	33	07	62	C	0120310	
C	1422733	A		INSULATOR		U	MOT	MR64	33	07	62	C	0122726	
B	1422750	B		INSULATOR CAV		U	MOT	MR64	33	07	62	C	0122726	
H	1520133	B		HOUSING XPONDER		U	MOT	MR64	33	07	62	C	0120178	
C	1520206	A		HOLDER CRYSTAL UNIT		U	MOT	MR64	33	07	62	C	4822700	
D	1520279	A		COVER DUST		U	MOT	MR64	33	07	62	C	0120170	
D	1520296	A		SHELL TUNED CAVITY		U	MOT	MR64	33	07	62	C	0120176	
D	1520306	A		SHELL TUNED CAVITY		U	MOT	MR64	33	07	62	C	0120177	
D	1522143	D		HSG SUBCHASSIS		U	MOT	MR64	33			O	0121928	
D	1522144	D		HSG SUBCHASSIS		U	MOT	MR64	33			O	0121928	
D	1522736			SHELL CAVITY SUBASSY		U	MOT	MR64	33	07	62	C	0120310	
D	1522736			SHELL CAVITY SUBASSY		U	MOT	MR64	33	07	62	C	0122726	
C	2420142	B		XFORMER RADIO FREQ		U	MOT	MR64	33	07	62	C	4620138	
C	2420143	B		XFORMER RADIO FREQ		U	MOT	MR64	33	07	62	C	4620863	
C	2420144	B		XFORMER RADIO VCO T3		U	MOT	MR64	33	07	62	C	4620863	

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REV	DRAWING NO.	PART NO.	REV	TITLE	C	L	REV	RELEASE FOR		REV	DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								SERIAL	YARD REF.					
C	2420145	B		XFORMER RADIO VCO T4	U	MOT	MR64		33	07	62	C	4620863	
C	2420147	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	4620863	
C	2420153	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	4620117	
C	2420154	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120159	
C	2420155	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	4620150	
C	2420156	B		XFORMER RADIO T5	U	MOT	MR64		33	07	62	C	4620151	
C	2420157	B		XFORMER RADIO T6	U	MOT	MR64		33	07	62	C	4620152	
C	2420165	B		XFORMER RADIO T3	U	MOT	MR64		33	07	62	C	4620162	
C	2420166	B		XFORMER RADIO T4	U	MOT	MR64		33	07	62	C	0120160	
C	2420167	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120160	
C	2420183	B		XFORMER RADIO T2	U	MOT	MR64		33	07	62	C	4620179	
C	2420185	B		XFORMER RADIO T4	U	MOT	MR64		33	07	62	C	4620181	
C	2420185	B		XFORMER RADIO T4	U	MOT	MR64		33	07	62	C	4620254	
C	2420196	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120199	
C	2420197	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120199	
C	2420198	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120199	
C	2420381	A		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120170	
C	2420382	A		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120655	
C	2420383	A		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120170	
B	2420384	A		COIL RADIO FREQ	U	MOT	MR64		33	07	62	C	0120856	
C	2420820	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120177	
C	2420821	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120177	
C	2420827	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120176	
C	2420828	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120176	
C	2420831	B		COIL RADIO FREQ	U	MOT	MR64		33	07	62	C	4620823	
C	2420836	B		XFORMER RADIO FREQ	U	MOT	MR64		33	07	62	C	0120834	
C	2420837	B		COIL RF FREQ CONVERT	U	MOT	MR64		33	07	62	C	0120834	
C	2420841	B		COIL RADIO FREQ	U	MOT	MR64		33	07	62	C	0120148	
C	2420850	B		COIL RADIO FREQ	U	MOT	MR64		33	07	62	C	0120175	
C	2420864	B		XFORMER RADIO FREQ VCO	U	MOT	MR64		33	07	62	C	4620863	
C	2425202	B		XFORMER RADIO FREQUENCY	U	MOT	MR64		33	07	62	C	4620186	
C	2425213	B		COIL RADIO FREQ VARI	U	MOT	MR64		33	07	62	C	0120176	
C	2425214	B		COIL RADIO FREQUENCY	U	MOT	MR64		33	07	62	C	0120171	
C	2425216	B		XFORMER RADIO FREQUENCY	U	MOT	MR64		33	07	62	C	0120175	
C	2425217	B		XFORMER RADIO FREQUENCY	U	MOT	MR64		33	07	62	C	0120175	
C	2425220	B		COIL RADIO FREQ DIVIDER	U	MOT	MR64		33	07	62	C	0120159	
C	2425224	B		XFORMER RADIO FREQ CONVERT	U	MOT	MR64		33	07	62	C	0120834	
D	2522710	B		FILTER BAND PASS CRY	U	MOT	MR64		33	07	62	C	0120172	
F	2720100	B		CHASSIS ELECT EQUIP	U	MOT	MR64		33	07	62	C	0120148	
F	2720104	B		CHASSIS ELECT EQUIP	U	MOT	MR64		33	07	62	C	0120171	

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REV	DRAWING NO.	PART NO.	REV	TITLE	C	L	REV	RELEASE FOR		REV	DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								SERIAL	YARD REF.					
F	2720108	B		CHASSIS ELECT EQUIP	U	MOT	MR64		33	07	62	C	0120159	
F	2720116	B		CHASSIS ELECT EQUIP	U	MOT	MR64		33	07	62	C	0120160	
H	2720118	B		CHASSIS ELECT EQUIP	U	MOT	MR64		33	07	62	C	0120172	
F	2720121	B		CHASSIS ELECT EQUIP	U	MOT	MR64		33	07	62	C	0120173	
F	2720129	B		CHASSIS ELECT EQUIP	U	MOT	MR64		33	07	62	C	0120177	
F	2720130	B		CHASSIS ELECT EQUIP	U	MOT	MR64		33	07	62	C	0120176	
F	2720131	B		CHASSIS ELECT EQUIP	U	MOT	MR64		33	07	62	C	0120174	
F	2720132	B		CHASSIS ELECT EQUIP	U	MOT	MR64		33	07	62	C	0120170	
F	2720158	B		CHASSIS ELECT EQUIP	U	MOT	MR64		33	07	62	C	0120175	
B	2720276	A		BASE COIL	U	MOT	MR64		33	07	62	C	0120123	
F	2726593	B		CHASSIS ELECT EQUIP	U	MOT	MR64		33	07	62	C	0120170	
C	3020842	B		CABLE ASSY RF	U	MOT	MR64		33	07	62	C	0120123	
C	3020842	B		CABLE ASSY RF	U	MOT	MR64		33	07	62	C	0120178	
C	3020843	B		CABLE ASSY RF	U	MOT	MR64		33	07	62	C	0120123	
C	3020843	B		CABLE ASSY RF	U	MOT	MR64		33	07	62	C	0120178	
C	3020844	B		CABLE ASSY RF W16W11	U	MOT	MR64		33	07	62	C	0120123	
C	3020844	B		CABLE ASSY RF W16W11	U	MOT	MR64		33	07	62	C	0120178	
C	3020851	B		CABLE ASSY	U	MOT	MR64		33	07	62	C	0120123	
C	3020851	B		CABLE ASSY	U	MOT	MR64		33	07	62	C	0120178	
C	3020852	B		CABLE ASSY	U	MOT	MR64		33	07	62	C	0120123	
D	3020853	B		CABLE ASSY	U	MOT	MR64		33	07	62	C	0120178	
C	3920192	B		CONTACT ELECTRICAL	U	MOT	MR64		33	07	62	C	0120310	
C	3920192	B		CONTACT ELECTRICAL	U	MOT	MR64		33	07	62	C	0122726	
C	3920193	B		CONTACT ELECTRICAL	U	MOT	MR64		33	07	62	C	0120310	
C	3920222	A		CONTACT EL MIXER	U	MOT	MR64		33	07	62	C	0120856	
C	3920298	A		CONDUCTOR SECTION	U	MOT	MR64		33	07	62	C	0120310	
C	3920298	A		CONDUCTOR SECTION	U	MOT	MR64		33	07	62	C	0122726	
B	3922720	A		CONTACT STRIP	U	MOT	MR64		33	07	62	C	0120123	
C	3922745	A		CONTACT ELEC MXR LWR	U	MOT	MR64		33	07	62	C	0120170	
D	4220224	A		RETAINER SEMICONDUCT	U	MOT	MR64		33	07	62	C	0120170	
B	4320233	A		ALIGNMENT DEVICE	U	MOT	MR64		33	07	62	C	0120310	
B	4320233	A		ALIGNMENT DEVICE	U	MOT	MR64		33	07	62	C	0122726	
B	4322746	A		BUSHING CONTACT ELEC	U	MOT	MR64		33	07	62	C	0120123	
C	4620101	B		BLOCK MTG SMALL VCO	U	MOT	MR64		33	07	62	C	4620138	
C	4620105	B		BLOCK MTG XSISTOR	U	MOT	MR64		33	07	62	C	4620186	
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MR64		33	07	62	C	4620180	
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MR64		33	07	62	C	4620181	
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MR64		33	07	62	C	4620152	
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MR64		33	07	62	C	4620169	
C	4620109	B		BLOCK MTG XFORMER	U	MOT	MR64		33	07	62	C	4620179	

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P/N	DRAWING NO.	PART NO.	REV	TITLE	LVL	CLASS	VERSION CODE	RELEASE FOR PAPER VIEW		RESP DIV	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY
								SERIAL	TARE REF		MM	YY		
C	4620110	B		BLOCK MTG RF DET		U	MOT	MR64		33	07	62	C	4620161
C	4620111	B		BLOCK MTG XFORMER		U	MOT	MR64		33	07	62	C	4620151
C	4620111	B		BLOCK MTG XFORMER		U	MOT	MR64		33	07	62	C	4620149
C	4620112	B		BLOCK MTG FREQ		U	MOT	MR64		33	07	62	C	4620150
C	4620113	B		BLOCK MTG XFORMER		U	MOT	MR64		33	07	62	C	4620117
C	4620114	B		BLOCK MTG		U	MOT	MR64		33	07	62	C	4620162
B	4620117	B		BLOCK MTG FREQ DIVID		U	MOT	MR64		33	07	62	C	0120159
C	4620122	B		BLOCK MTG		U	MOT	MR64		33	07	62	C	0120173
C	4620122	B		BLOCK MTG		U	MOT	MR64		33	07	62	C	0120168
C	4620124	B		BLOCK MTG SECOND IF		U	MOT	MR64		33	07	62	C	0120194
C	4620135	B		BLOCK MTG FREQ		U	MOT	MR64		33	07	62	C	0120834
J	4620138	B		BLOCK MTG VCO T1		U	MOT	MR64		33	07	62	C	0120148
B	4620149	B		BLOCK MTG FREQ DIVID		U	MOT	MR64		33	07	62	C	0120159
B	4620150	B		BLOCK MTG FREQ DIVID		U	MOT	MR64		33	07	62	C	0120159
B	4620151	B		BLOCK MTG FREQ DIVID		U	MOT	MR64		33	07	62	C	0120159
B	4620152	B		BLOCK MTG FREQ DIVID		U	MOT	MR64		33	07	62	C	0120159
C	4620161	B		BLOCK MTG SUBASSY		U	MOT	MR64		33	07	62	C	0120160
B	4620162	B		BLOCK MTG RF DETECTOR		U	MOT	MR64		33	07	62	C	0120160
B	4620169	B		BLOCK MTG AUX OSC Q1		U	MOT	MR64		33	07	62	C	0120175
B	4620179	B		BLOCK MTG AUX OSC Q2		U	MOT	MR64		33	07	62	C	0120175
B	4620180	B		BLOCK MTG AUX OSC Q3		U	MOT	MR64		33	07	62	C	0120175
B	4620181	B		BLOCK MTG AUX OSC Q5		U	MOT	MR64		33	07	62	C	0120175
B	4620186	B		BLOCK MTG FIRST		U	MOT	MR64		33	07	62	C	0120171
C	4620203	A		BLOCK MTG ANGLE		U	MOT	MR64		33	07	62	C	4620207
C	4620204	A		BLOCK MTG XSISTR LG		U	MOT	MR64		33	07	62	C	4620255
C	4620204	A		BLOCK MTG XSISTR LG		U	MOT	MR64		33	07	62	C	4620207
C	4620205	A		BLOCK MTG XFMR		U	MOT	MR64		33	07	62	C	0120123
C	4620207	A		BLOCK SUBASSY MTG		U	MOT	MR64		33	07	62	C	4620223
C	4620207	A		BLOCK SUBASSY MTG		U	MOT	MR64		33	07	62	C	4620815
C	4620207	A		BLOCK SUBASSY MTG		U	MOT	MR64		33	07	62	C	4620825
C	4620209	A		BLOCK MTG XSISTR		U	MOT	MR64		33	07	62	C	4620207
C	4620223	A		BLOCK MOUNTING DIODE		U	MOT	MR64		33	07	62	C	0120255
C	4620254	A		BLOCK MTG AGC AMPL		U	MOT	MR64		33	07	62	C	4620255
C	4620255	A		BLOCK AGC AMPL		U	MOT	MR64		33	07	62	C	4620845
C	4620255	A		BLOCK AGC AMPL		U	MOT	MR64		33	07	62	C	4620846
C	4620255	A		BLOCK AGC AMPL		U	MOT	MR64		33	07	62	C	4620847
C	4620255	A		BLOCK AGC AMPL		U	MOT	MR64		33	07	62	C	4620848
C	4620255	A		BLOCK AGC AMPL		U	MOT	MR64		33	07	62	C	4620849
C	4620316	A		BLOCK MTG XFMR		U	MOT	MR64		33	07	62	C	0120173
C	4620315	B		BLOCK MTG FREQ MULT		U	MOT	MR64		33	07	62	C	0120177

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C	DRAWING NO.	PART NO.	REV	TITLE	CNC	CLASS	VERSION CODE	RELEASE FOR BIDDING ITEM		REF. DIB.	RELEASE		DRAWING CONTROL STATUS	NEXT ASSEMBLY
								SERIAL	THIRD REV.		NO.	YY		
C	4620818	B		BLOCK M/G FREQ MULT	U	MOT	MR64	33	07	62	C		0120177	
C	4620822	B		BLOCK M/G FREQ MULT	U	MOT	MR64	33	07	62	C		0120177	
C	4620823	B		BLOCK M/G FREQ MULT	U	MOT	MR64	33	07	62	C		0120176	
C	4620824	B		BLOCK M/G FREQ MULT	U	MOT	MR64	33	07	62	C		0120176	
C	4620825	B		BLOCK M/G FREQ MULT	U	MOT	MR64	33	07	62	C		0120176	
C	4620826	B		BLOCK M/G FREQ MULT	U	MOT	MR64	33	07	62	C		0120176	
C	4620845	B		BLOCK M/G AMPL	U	MOT	MR64	33	07	62	C		0120174	
C	4620846	B		BLOCK M/G AMPL	U	MOT	MR64	33	07	62	C		0120174	
C	4620847	B		BLOCK M/G AMPL	U	MOT	MR64	33	07	62	C		0120174	
C	4620848	B		BLOCK M/G AMPL	U	MOT	MR64	33	07	62	C		0120174	
C	4620849	B		BLOCK M/G AMPL	U	MOT	MR64	33	07	62	C		0120174	
B	4620854	B		BLOCK MOUNT AWG OSC	U	MOT	MR64	33	07	62	C		0120174	
C	4620851	B		BLOCK M/G VCO	U	MOT	MR64	33	07	62	C		0120174	
C	4620852	B		BLOCK M/G SUBBASS VCO	U	MOT	MR64	33	07	62	C		0120174	
C	4620857	B	A	BLOCK M/G VLS ON	U	MOT	MR64	33	07	62	C		0120174	
C	4620874	B	A	BLOCK M/G VLS MULT	U	MOT	MR64	33	07	62	C		0120174	
C	4620893	A		BLOCK SUBBASS M/G	U	MOT	MR64	33	07	62	C		0120174	
C	4620895	A		BLOCK SUBBASS M/G	U	MOT	MR64	33	07	62	C		0120174	
C	4620895	A		BLOCK SUBBASS M/G	U	MOT	MR64	33	07	62	C		0120174	
C	4620922	B		BLOCK M/G VLS VLS ON	U	MOT	MR64	33	07	62	C		0120174	
B	4620930	B		BLOCK M/G	U	MOT	MR64	33	07	62	C		0120174	
B	4620936	B		BLOCK M/G MOUNTING	U	MOT	MR64	33	07	62	C		0120174	
C	4620928	B		BLOCK M/G TRANSISTOR	U	MOT	MR64	33	07	62	C		0120174	
C	4620930	B		CRYSTAL UNIT OSCILLATOR	U	MOT	MR64	33	07	62	C		0120174	
C	4620930	A		CRYSTAL UNIT OSCILLATOR	U	MOT	MR64	33	07	62	C		0120174	
B	4620925	A		DISK CENTER TUNED	U	MOT	MR64	33	07	62	C		0120174	
B	4620925	A		DISK CENTER TUNED	U	MOT	MR64	33	07	62	C		0120174	
F	6320802	B		CONVERTER FREQ SCHEM	U	MOT	MR64	33	07	62	C		0120170	
F	6320803	B		OSCILLATOR AUXILIARY	U	MOT	MR64	33	07	62	C		0120175	
D	6320804	B		FREQ MULTIPLIER	U	MOT	MR64	33	07	62	C		0120177	
F	6320805	B		FILTER LOW PASS	U	MOT	MR64	33	07	62	C		0120173	
F	6320806	B		OSCILLATOR RADIO	U	MOT	MR64	33	07	62	C		0120148	
D	6320807	B		FREQ MULTI SCHEMATIC	U	MOT	MR64	33	07	62	C		0120176	
D	6320808	B		AMPLIFIER DIPEC SCHEM	U	MOT	MR64	33	07	62	C		0120174	
U	6320809	B		AMPL IMMEDIATE SCHEM	U	MOT	MR64	33	07	62	C		0120172	
F	6320810	B		AMPLIFIER FIRST	U	MOT	MR64	33	07	62	C		0120171	
D	6320811	B		DETECTOR SCHEMATIC	U	MOT	MR64	33	07	62	C		0120160	
F	6320812	B		FREQ DIVIDER	U	MOT	MR64	33	07	62	C		0120159	
	6321923	D		SCHEMATIC	U	MOT	MR64	33			C		0121924	
	6321927	D		SCHEMATIC	U	MOT	MR64	33			C		0121928	

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SIZE	DRAWING NO.	REV.	REV. NO.	TITLE	CAT.	LAST	REVISION CODE	RELEASE FOR		STEP NO.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	S. C.
								SERIAL	THIRD SER.					
B	6420291	A		PLATE END TUNED CAVT	U	MOT	MR64		33	07	62	C	0120310	
B	6420291	A		PLATE END TUNED CAVT	U	MOT	MR64		33	07	62	C	0122726	
C	6420882	B		PLATE TUNED CAVITY	U	MOT	MR64		33	07	62	C	0120310	
C	6420882	B		PLATE TUNED CAVITY	U	MOT	MR64		33	07	62	C	0122726	
B	7420278	A		FORM COIL	U	MOT	MR64		33	07	62	C	0120123	
B	7420838	B		FORM COIL	U	MOT	MR64		33	07	62	C	7720835	
B	7422752	A		FORM COIL X16	U	MOT	MR64		33	07	62	C	0120177	
B	7720835	B		TUNING ASSY	U	MOT	MR64		33	07	62	C	0120170	
	8421925	D		FABRICATION BD 2	U	MOT	MR64		33			O	0121924	
	8421925	D		ARTWORK BD1 FRONT	U	MOT	MR64		33			O	8421925	
	8421925	D		ARTWORK BD1 BACK	U	MOT	MR64		33			O	0121924	
	8421926	D		FABRICATION BD 2	U	MOT	MR64		33			O	8421926	
	8421926	D		ARTWORK BD2 BACK	U	MOT	MR64		33			O	0121926	
	8421929	D		FABRICATION BD 1	U	MOT	MR64		33			O	0121928	
	8421930	D		FABRICATION BD 2	U	MOT	MR64		33			O	0121928	
	6141500	3		RIS	U	RAN	MR64		33			O	4300194	
	6141500	4		TUNING BLOCK	U	RAN	MR64		33			O	4300194	
	6141501	5		RESONATOR	U	RAN	MR64		33			O	4300194	
	6141502	2		TEFLON SUPPORT	U	RAN	MR64		33			O	4300194	
	6141502	5		FILTER HOUSING	U	RAN	MR64		33			O	4300194	
	6141502	6		COVER	U	RAN	MR64		33			O	4300194	
	6141502	7		DISPLAY FILTER FL204	U	RAN	MR64		33			O	4300194	
	6141504	1		DIELECTRIC SUPPORT	U	RAN	MR64		33			O	4300194	
	6141504	2		ANT. COUPLING ASSY	U	RAN	MR64		33			O	4300194	
	6141504	3		SET SCREW	U	RAN	MR64		33			O	4300194	
	6141504	4		SUPPORT ROD	U	RAN	MR64		33			O	4300194	
	6141504	5		RESONATOR SHAFT	U	RAN	MR64		33			O	4300194	
	6141504	6		SUPPORT NUT	U	RAN	MR64		33			O	4300194	
	6141504	7		FILTER ASSY FL204	U	RAN	MR64		33			O	4300194	
	6160500	0		CIRC. & POWER MONITOR	U	RAN	MR64		33			O		
A	6160500	3		INSULATOR	U	RAN	MR64		33			O		
D	6160501	4		HOUSING LOWER	U	RAN	MR64		33			O		
D	6160501	3		HOUSING UPPER	U	RAN	MR64		33			O		
C	6160501	7-2		HOUSING	U	RAN	MR64		33			O		
C	6160501	9		BRACKET	U	RAN	MR64		33			O		
C	6160501	5		CONNECTOR	U	RAN	MR64		33			O		

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SIZE	DRAWING NO.	REV.	REV. NO.	TITLE	CAT.	LAST	REVISION CODE	RELEASE FOR		STEP NO.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	S. C.
								SERIAL	THIRD SER.					
C	6160501	8		BRACKET SUPPORT	U	RAN	MR64		33			O		
C	6160501	6		CONNECTOR SPEC TYPE N	U	RAN	MR64		33			O		
C	6160501	7-1		HOUSING	U	RAN	MR64		33			O		
D	6160501	4		HOUSING LOWER	U	RAN	MR64		33			O		
C	6160502	2		SPIDER	U	RAN	MR64		33			O		
B	6160502	9		SPACER	U	RAN	MR64		33			O		
C	6160502	3		RESISTOR HOUSING	U	RAN	MR64		33			O		
B	6160502	8		SPACER	U	RAN	MR64		33			O		
C	6160502	1		MOUNTING BRACKET	U	RAN	MR64		33			O		
C	6160502	0		MOUNTING BRACKET	U	RAN	MR64		33			O		
B	6160502	5		MAGNET	U	RAN	MR64		33			O		
B	6160502	4		FERRITE	U	RAN	MR64		33			O		
B	6160502	6		POLE PIECE	U	RAN	MR64		33			O		
A	6160503	4		LOAD SUBASSY	U	RAN	MR64		33			O		
A	6160503	2		CENTER CONDUCTOR	U	RAN	MR64		33			O		
B	6160503	9		TUBE ASSY	U	RAN	MR64		33			O		
B	6160503	8		FLANGE	U	RAN	MR64		33			O		
A	6160503	7		TUBE	U	RAN	MR64		33			O		
A	6160503	5		RESISTOR HOLDER	U	RAN	MR64		33			O		
A	6160503	2		PLATE	U	RAN	MR64		33			O		
A	6160503	6		BEAD	U	RAN	MR64		33			O		
A	6160503	0		LOCKING NUT	U	RAN	MR64		33			O		
A	6160503	3		SUPPORT	U	RAN	MR64		33			O		
A	6160503	6		DIODE	U	RAN	MR64		33			O		
B	6160504	4		INNER CONDUCTOR	U	RAN	MR64		33			O		
A	6160504	0		INSULATOR	U	RAN	MR64		33			O		
A	6160504	1		INSULATOR	U	RAN	MR64		33			O		
A	6160504	3		INNER CONDUCTOR	U	RAN	MR64		33			O		
D	6160504	9		COUPLER HOUSING	U	RAN	MR64		33			O		
A	6160504	2		PLATE	U	RAN	MR64		33			O		
D	6160504	8		HOUSING MACH	U	RAN	MR64		33			O		
C	6160504	7		COVER	U	RAN	MR64		33			O		
A	6160505	9		LOAD ASSY	U	RAN	MR64		33			O		
C	6160505	0		SPIDER ASSY	U	RAN	MR64		33			O		
C	6160505	7		COVER	U	RAN	MR64		33			O		
A	6160505	6		TUNING SCREW	U	RAN	MR64		33			O		
B	6160505	5		COUPLER SUB-ASSY	U	RAN	MR64		33			O		
A	6160506	7		SPACER	U	RAN	MR64		33			O		
C	6160506	6		DIRECTIONAL CPLR ASY	U	RAN	MR64		33			O		
A	6160506	9		SCREW MODIE	U	RAN	MR64		33			O		

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								SERIAL	THIRD SER.		NO.	16			
B	6160508	7		POLE PIECE			U	RAN	MR64	33			0		
B	6160508	8		SHUNT			U	RAN	MR64	33			0		
B	6160509	1		CIRC & PWR MON SCHEM			U	RAN	MR64	33			0		
B	6160510	7		CONTACT ASSY			U	RAN	MR64	33			0		
B	6160510	6		CONTACT PLATE			U	RAN	MR64	33			0		
A	6160510	5		CRYSTAL SLIP			U	RAN	MR64	33			0		
A	6160510	3		CUP			U	RAN	MR64	33			0		
A	6160510	4		CONTACT PLATE			U	RAN	MR64	33			0		
A	6160512	5		INSULATION			U	RAN	MR64	33			0		
A	6160512	8		CRYSTAL CAP			U	RAN	MR64	33			0		
B	6160512	7-1		MONITOR PROBE ASSY			U	RAN	MR64	33			0		
A	6160513	4		HOLDER			U	RAN	MR64	33			0		
A	6160513	3		RESISTOR HOLDER			U	RAN	MR64	33			0		
B	6160513	0		CONNECTOR			U	RAN	MR64	33			0		
B	6160513	1		TERMINAL BOARD MODIF			U	RAN	MR64	33			0		
B	449101			PCB SW MODULE UPPER			U	TI	MR64	33			0		449104
C	449102			SWITCH HIGH LEVEL			U	TI	MR64	33			0		457763
B	449103			PCB LO LEVEL SWITCH			U	TI	MR64	33			0		449104
C	449104			SWITCH LOW LEVEL			U	TI	MR64	33			0		460073
C	449104			SWITCH LOW LEVEL			U	TI	MR64	33			0		457789
B	457738		A	GROMMET TEFLON #1			U	TI	MR64	33			0		457782
B	457739			GROMMET TEFLON #2			U	TI	MR64	33			0		449104
B	457740		A	INSULATION SH ELECT			U	TI	MR64	33			0		457782
B	457740			INSULATION SH ELECT			U	TI	MR64	33			0		449104
C	457744		A	SHIELD SWITCH			U	TI	MR64	33			0		457782
C	457744		A	SHIELD SWITCH			U	TI	MR64	33			0		449104
F	457762			PCB DECKS C&D			U	TI	MR64	33			0		457763
D	457763			SOLID STATE DKS C&D			U	TI	MR64	33			0		460805
F	457768			PCB DECKS A&B			U	TI	MR64	33			0		457769
D	457769			SOLID STATE DKS A&B			U	TI	MR64	33			0		460805
B	457770			SCHEM SW LOW LEVEL			U	TI	MR64	33			0		449104
B	457775			PCB UNIV BISTABLE #1			U	TI	MR64	33			0		457777
B	457776			PCB UNIV BISTABLE #2			U	TI	MR64	33			0		457777
C	457777		A	UNIV BISTABLE MODULE			U	TI	MR64	33			0		460892
C	457777		A	UNIV BISTABLE MODULE			U	TI	MR64	33			0		460073
C	457777		A	UNIV BISTABLE MODULE			U	TI	MR64	33			0		460073

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								SERIAL	THIRD SER.		NO.	16			
C	457777		A	UNIV BISTABLE MODULE	U	TI	MR64		33			0		457763	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MR64		33			0		460894	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MR64		33			0		460025	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MR64		33			0		460037	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MR64		33			0		460049	
C	457777		A	UNIV BISTABLE MODULE	U	TI	MR64		33			0		457769	
C	457778			SCHEM UNIV BISTABLE	U	TI	MR64		33			0		457777	
C	457779			SCHEM HI SPD BINARY	U	TI	MR64		33			0		457777	
B	457780			PCB SW FLIP FLOP LO	U	TI	MR64		33			0		457782	
B	457781			PCB SW FLIP FLOP UP	U	TI	MR64		33			0		457782	
C	457782			SWITCH FLIP FLOP	U	TI	MR64		33			0		457763	
C	457782			SWITCH FLIP FLOP	U	TI	MR64		33			0		460899	
C	457782			SWITCH FLIP FLOP	U	TI	MR64		33			0		457769	
C	457783			SCHEM SW FLIP FLOP	U	TI	MR64		33			0		457782	
F	457788			PCB DECKS E&F	U	TI	MR64		33			0		457789	
D	457789			LO LEVEL SWS DKS E&F	U	TI	MR64		33			0		460806	
R	457790			SCHEM LO SPEED CTR	U	TI	MR64		33			0		460037	
R	457790			SCHEM LO SPEED CTR	U	TI	MR64		33			0		457789	
F	457795			PCB AMPL LOW BAND	U	TI	MR64		33			0		457796	
D	457796			AMPLIFIERS LOW LEVEL	U	TI	MR64		33			0		460807	
R	457797			SCHEM AMPLSGSIG COND	U	TI	MR64		33			0		460083	
R	457797			SCHEM AMPLSGSIG COND	U	TI	MR64		33			0		457796	
B	460005			PCB MATRIX PN GEN LO	U	TI	MR64		33			0		460007	
B	460006			PCB MATRIX PN GEN UP	U	TI	MR64		33			0		460007	
C	460007			MATRIX PN GENERATOR	U	TI	MR64		33			0		460073	
C	460008			SCHEM MATRIX PN GEN	U	TI	MR64		33			0		460007	
B	460009			PCB LO SPEED CTR LOW	U	TI	MR64		33			0		460011	
B	460010			PCB LO SPEED CTR UP	U	TI	MR64		33			0		460011	
C	460011			MATRIX LO SPEED CTR	U	TI	MR64		33			0		460037	
C	460012			SCHEM LO SPEED CTR	U	TI	MR64		33			0		460011	
F	460022			PCB BLIP REGISTER #1	U	TI	MR64		33			0		460023	
U	460023			BLIP REGISTER #1	U	TI	MR64		33			0		460803	
F	460024			PCB BLIP REGISTER #2	U	TI	MR64		33			0		460025	
D	460025			BLIP REGISTER #2	U	TI	MR64		33			0		460803	
R	460026			SCHEM BLIP REGISTER	U	TI	MR64		33			0		460023	
R	460026			SCHEM BLIP REGISTER	U	TI	MR64		33			0		460025	
F	460027			PCB BUCKING PWR SUP	U	TI	MR64		33			0		460028	
D	460028			BUCKING POWER SUPPLY	U	TI	MR64		33			0		460804	
R	460029			SCHEM POWER SUPPLY	U	TI	MR64		33			0		460028	
F	460036			PCB LO SPEED COUNTER	U	TI	MR64		33			0		460037	

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								BY	THRU		DATE	BY				
	460037			LOW SPEED COUNTER	U	T	MR64			33			0		460806	
C	460046			MONOSTABLE FLIP FLOP	U	T	MR64			33			0		460049	
F	460048			PCB MASTER COUNTER	U	T	MR64			33			0		460049	
D	460049			COUNTER MASTER	U	T	MR64			33			0		460802	
R	460061			SCHEM MA CTR&XFR REG	U	T	MR64			33			0		460899	
R	460061			SCHEM MA CTR&XFR REG	U	T	MR64			33			0		460049	
R	460062			SCHEM DECKS A&B C&D	U	T	MR64			33			0		457763	
R	460062			SCHEM DECKS A&B C&D	U	T	MR64			33			0		457769	
B	460069			HEAT SINK PWR SUPPLY	U	T	MR64			33			0		460804	
F	460072			PCB PN GENERATOR	U	T	MR64			33			0		460073	
D	460073			PN GEN/FREQ&MOD CKTY	U	T	MR64			33			0		460801	
R	460074			SCHEM PN GENERATOR	U	T	MR64			33			0		460073	
F	460075			PCB POWER SUPPLY	U	T	MR64			33			0		460076	
D	460076			POWER SUPPLY	U	T	MR64			33			0		460804	
F	460082			PCB COMP ISOL AMPL	U	T	MR64			33			0		460083	
D	460083			COMPARATOR ISOL AMPL	U	T	MR64			33			0		460807	
D	460084			SUBCHAS SINGLE CONN	U	T	MR64			33			0		460800	
D	460084			SUBCHAS SINGLE CONN	U	T	MR64			33			0		460801	
D	460084			SUBCHAS SINGLE CONN	U	T	MR64			33			0		460802	
D	460085			SUBCHAS DOUBLE CONN	U	T	MR64			33			0		460803	
D	460085			SUBCHAS DOUBLE CONN	U	T	MR64			33			0		460805	
D	460085			SUBCHAS DOUBLE CONN	U	T	MR64			33			0		460806	
D	460085			SUBCHAS DOUBLE CONN	U	T	MR64			33			0		460807	
D	460086			SUBCHAS POWER SUPPLY	U	T	MR64			33			0		460804	
A	460800			ANALOG-TO-DIGIT CONV	U	T	MR64			33			0		4600322	
A	460801			PN GEN FREQ&MOD CKTY	U	T	MR64			33			0		4600328	
A	460802			TRANSFER REGISTER	U	T	MR64			33			0		4600327	
A	460803			BLIP REGISTERS	U	T	MR64			33			0		4600326	
A	460804			POWER SUPPLY	U	T	MR64			33			0		4600329	
A	460805			SOLID STATE DKS ABCD	U	T	MR64			33			0		4600325	
A	460806			SOLID STATE DKS E&F	U	T	MR64			33			0		4600324	
A	460807			AMPLIFIERS	U	T	MR64			33			0		4600323	
C	460817			MARKING POWER SUPPLY	U	T	MR64			33			0		460086	
C	460818			MARKING PN GENERATOR	U	T	MR64			33			0		460084	
C	460819			MARKING BLIP REGS	U	T	MR64			33			0		460085	
C	460820			MARKING TRANSFER REG	U	T	MR64			33			0		460084	
C	460821			MARKING DECKS ABCD	U	T	MR64			33			0		460085	
C	460822			MARKING DECKS E&F	U	T	MR64			33			0		460085	
C	460823			MARKING AMPLIFIERS	U	T	MR64			33			0		460085	
C	460824			MARKING CONVERTERS	U	T	MR64			33			0		460084	

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REV	DRAWING NO.	PART NO.	QTY	TITLE	CPL.	LGR.	VENDE CODE	RELEASE FOR MAJOR ITEM		RECP. BY	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								SERIAL	THRU SER.		NO.	TH			
F	460891			PCB COMPARATOR	U	TI	MR64		33				0	460892	
D	460892			COMPARATOR & INTEGRA	U	TI	MR64		33				0	460800	
F	460893			PCB DECODER	U	TI	MR64		33				0	460894	
D	460894			DECODER	U	TI	MR64		33				0	460800	
R	460895			SCHEM CONVERTER	U	TI	MR64		33				0	460892	
R	460895			SCHEM CONVERTER	U	TI	MR64		33				0	460894	
D	460897			BIPHASE MODULATOR	U	TI	MR64		33				0	460801	
F	460898			PCB TRANSFER REGIS	U	TI	MR64		33				0	460899	
D	460899			TRANSFER REGISTER	U	TI	MR64		33				0	460802	
A	461701			WIRING LIST BLIP REG	U	TI	MR64		33				0	460803	
A	461702			WIRING LIST CONVERT	U	TI	MR64		33				0	460800	
A	461703			WIRING LIST PN GEN	U	TI	MR64		33				0	460801	
A	461704			WIRING LIST TRAN REG	U	TI	MR64		33				0	460802	
A	461705			WIRING LIST PWR SUP	U	TI	MR64		33				0	460804	
A	461706			WIRING LIST DKS ABCD	U	TI	MR64		33				0	460805	
A	461707			WIRING LIST DKS EGF	U	TI	MR64		33				0	460806	
A	461708			WIRING LIST AMPLE	U	TI	MR64		33				0	460807	

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REV	DRAWING NO.	DATE	TITLE	CLASS	REVISION	RELEASE FOR		REVISION	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
						REVISION	THIRD REV.		REV.	REV.			
A	1912014		A CONTAINER REINF	U	ESB	MR64		34			O	2012014	
A	1912014		A CONTAINER REINF	U	ESB	MR64		34			O	2012015	
B	2001067		BOX INTERIOR	U	ESB	MR64		34			O	2001069	
B	2001068		BOX EXTERIOR	U	ESB	MR64		34			O	2001069	
D	2001069		A PACKAGING BATTERY	U	ESB	MR64		34			O	2011000	
E	2011000		A BATTERY ASSY	U	ESB	MR64		34			O	4400390	
C	2012001		A POS & NEG ASSY	U	ESB	MR64		34			O	2012014	
C	2012001		A POS & NEG ASSY	U	ESB	MR64		34			O	2012015	
B	2012002		A POSITIVE PLATE	U	ESB	MR64		34			O	2012001	
B	2012002		A POSITIVE PLATE	U	ESB	MR64		34			O	2012001	
B	2012003		A NEGATIVE ASSY	U	ESB	MR64		34			O	2012001	
B	2012003		A NEGATIVE ASSY	U	ESB	MR64		34			O	2012001	
B	2012004		A GRID ASSY NEGATIVE	U	ESB	MR64		34			O	2012003	
B	2012004		A GRID ASSY NEGATIVE	U	ESB	MR64		34			O	2012003	
A	2012005		A SEPARATOR POSITIVE	U	ESB	MR64		34			O	2012001	
A	2012005		A SEPARATOR POSITIVE	U	ESB	MR64		34			O	2012001	
A	2012006		A RETAINER	U	ESB	MR64		34			O	2012003	
A	2012006		A RETAINER	U	ESB	MR64		34			O	2012003	
C	2012007		CONTAINERS	U	ESB	MR64		34			O	2012014	
C	2012007		CONTAINERS	U	ESB	MR64		34			O	2012015	
C	2012008		A WIRING DIAGRAM	U	ESB	MR64		34			O	2011000	
B	2012009		A HEAT TRANSFER	U	ESB	MR64		34			O	2012014	
B	2012009		A HEAT TRANSFER	U	ESB	MR64		34			O	2012015	
B	2012010		POTTING CHANNEL	U	ESB	MR64		34			O	2012014	
B	2012010		POTTING CHANNEL	U	ESB	MR64		34			O	2012015	
B	2012011		POTTING CHANNEL	U	ESB	MR64		34			O	2012014	
B	2012011		POTTING CHANNEL	U	ESB	MR64		34			O	2012015	
B	2012012		5 CELL COVER	U	ESB	MR64		34			O	2012014	
B	2012012		5 CELL COVER	U	ESB	MR64		34			O	2012015	
B	2012013		4 CELL COVER	U	ESB	MR64		34			O	2012014	
B	2012013		4 CELL COVER	U	ESB	MR64		34			O	2012015	
D	2012014		A MONOBLOCK POSITIVE	U	ESB	MR64		34			O	2011000	
D	2012015		A MONOBLOCK NEGATIVE	U	ESB	MR64		34			O	2011000	
A	2012016		B TRANSDUCER PANEL	U	ESB	MR64		34			O	2012019	
A	2012017		TERMINAL BOARD	U	ESB	MR64		34			O	2012019	
A	2012018		TERMINAL ASSY	U	ESB	MR64		34			O	2012019	
A	2012019		A TRANSDUCER ASSY	U	ESB	MR64		34			O	2011000	
B	2012020		STAMPS MARINER R	U	ESB	MR64		34			O	2011000	

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REV	DRAWING NO.	DATE	TITLE	CLASS	REVISION	RELEASE FOR		REVISION	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
						REVISION	THIRD REV.		REV.	REV.			
C	3151753		B SERVO MTR ANTEN DR	U	JPL	MR64		34	12	62	J	4200886	
B	3152616		D TM1 TRANSFLUXOR	U	JPL	MR64		34	09	62	J	4200573	
B	3152616		D TM1 TRANSFLUXOR	U	JPL	MR64		34	09	62	J	4200538	
B	3152617		D TM2 TRANSFLUXOR	U	JPL	MR64		34	09	62	J	4200573	
B	3152617		D TM2 TRANSFLUXOR	U	JPL	MR64		34	09	62	J	4200538	
C	3157763		SERVO	U	JPL	MR64		34	11	62	J	4700502	
C	3158594		CLAMP	U	JPL	MR64		34	02	61	J	4200033	
D	3158596		C HOLDER MAGNETIC CORE	U	JPL	MR64		34	09	62	J	4200501	
D	3158596		C HOLDER MAGNETIC CORE	U	JPL	MR64		34	09	62	J	4200502	
D	3158596		C HOLDER MAGNETIC CORE	U	JPL	MR64		34	09	62	J	4200512	
D	3158596		C HOLDER MAGNETIC CORE	U	JPL	MR64		34	09	62	J	4200522	
B	3158918		A BRACKET CRYST MOUNT	U	JPL	MR64		34	08	62	J	4200511	
B	3158919		C CRYSTAL	U	JPL	MR64		34	12	62	J	4200511	
C	3158929		A STRAP RELAY CC&S	U	JPL	MR64		34	02	61	J	4200573	
B	3158938		A STRAP RELAY	U	JPL	MR64		34	08	62	J	4200523	
C	3158949		A STRAP RELAY MAN DUR	U	JPL	MR64		34	08	62	J		
C	3158989		A STRAP RELAY	U	JPL	MR64		34	08	62	J		
J	3170385		E HOUSING ASSY ANTENNA	U	JPL	MR64		34	03	63	J	4200885	
J	3170397		A COVER, HOUSING GEAR	U	JPL	MR64		34	12	62	J	3170401	
C	3172611		HARNESSE ASSEMBLY	U	JPL	MR64		34	12	62	J	4200886	
J	4400287		CB1 BOOSTER REG & PW	U	JPL	MR64		34	12	62	J	4400285	
C	4200005		A SHIELD LIGHT ADJ #2	U	JPL	MR64		34	10	62	J	4200002	
D	4200025		B SCHEMATIC	U	JPL	MR64		34	08	62	J	4200033	
J	4200034		B CB	U	JPL	MR64		34	08	62	J	4200033	
D	4200035		A ART WORK CB1	U	JPL	MR64		34	08	62	J	4200034	
D	4200036		A CB	U	JPL	MR64		34	08	62	J	4200033	
D	4200037		A ART WORK CB2	U	JPL	MR64		34	09	61	J	4200025	
J	4200038		B SUBCHASSIS	U	JPL	MR64		34	08	61	J	4200033	
D	4200044		A SHELL NITROGEN TANK	U	JPL	MR64		34	11	62	J	4201060	
D	4200045		D SCHEMATIC	U	JPL	MR64		34	08	61	J	4200053	
D	4200045		D SCHEMATIC DIA	U	JPL	MR64		34	08	61	J	4200048	
B	4200046		B TRANSFORMER	U	JPL	MR64		34	07	61	J	4200053	
D	4200048		A CB1	U	JPL	MR64		34	09	61	J	4200053	
D	4200049		A CB2	U	JPL	MR64		34	08	61	J	4200053	
D	4200050		C PC TB 1	U	JPL	MR64		34	02	62	J	4200048	
J	4200051		D PC TB2	U	JPL	MR64		34	02	62	J	4200049	
D	4200052		C SUBCHASSIS ASSY	U	JPL	MR64		34	05	62	J	4200053	

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							SERIAL	THRU REV.					
D	4200138			HOLDER ASSY MANEUVER	U	JPL	MR64		34	05 61	J	4200521	
C	4200168			RELAY STRAP	U	JPL	MR64		34	05 61	J	4200533	
C	4200168			RELAY STRAP	U	JPL	MR64		34	05 61	J	4200503	
B	4200263		B	XFORMER PWR CONVERTR	U	JPL	MR64		34	06 62	J	4200563	
J	4200301		C	SUBCHASSIS GYRO	U	JPL	MR64		34	09 62	J	4100300	
D	4200302		B	CAPACITOR SUBASSY 1	U	JPL	MR64		34	10 62	J	4200300	
J	4200306		C	CB1 ASSY	U	JPL	MR64		34	09 62	J	4200300	
A	4200306	PL	C	CB1 GYRO CONTROL	U	JPL	MR64		34	09 62	J	4200306	
J	4200307		C	CB1 PRINTED CIRCUITY	U	JPL	MR64		34	09 62	J	4200306	
J	4200308		D	CB 2 ASSY	U	JPL	MR64		34	10 62	J	4200300	
A	4200308	PL	C	CB2 GYRO CONTROL	U	JPL	MR64		34	09 62	J	4200308	
J	4200309		E	CB2 PRINTED CIRCUITY	U	JPL	MR64		34	10 62	J	4200308	
J	4200310		D	CB 3 ASSY	U	JPL	MR64		34	10 62	J	4200300	
A	4200310	PL	D	CB3 GYRO CONTROL	U	JPL	MR64		34	10 62	J	4200310	
J	4200311		E	CB3 PRINTED CIRCUITY	U	JPL	MR64		34	10 62	J	4200310	
J	4200312		D	CB 4 ASSY	U	JPL	MR64		34	10 62	J	4200300	
A	4200312		D	CB4 GYRO CONTROL	U	JPL	MR64		34	10 62	J	4200312	
J	4200325		C	SCHEMATIC DIA	U	JPL	MR64		34	01 62	J	4200352	
D	4200350		B	SWITCH AMPL SUBCHASS	U	JPL	MR64		34	04 61	J	4200351	
D	4200351		B	SW AMPL LOGIC 7A1B	U	JPL	MR64		34	02 62	J	4901041	
J	4200352		B	CKT BD 1 ASSY SW AMP	U	JPL	MR64		34	02 62	J	4200351	
A	4200352	PL	B	CB1 SW AMPL FIR LOGIC	U	JPL	MR64		34	02 62	J	4200352	
J	4200353		B	CB1 PC SW AMPL LOGIC	U	JPL	MR64		34	02 62	J	4200352	
J	4200354		B	CKT BD SW AMPL	U	JPL	MR64		34	02 62	J	4200351	
A	4200354	PL	B	CB2 SW AMPL FIR LOGIC	U	JPL	MR64		34	02 62	J	4200354	
J	4200355		A	CB2 PC SW AMPLIFIER	U	JPL	MR64		34	09 61	J	4200354	
B	4200370			TRANSFORMER	U	JPL	MR64		34	07 61	J	4200053	
J	4200408		G	SCHEMATIC LONG RANGE	U	JPL	MR64		34	02 63	J	4200596	
J	4200409		A	CB4 PRE-AMP&PULSE	U	JPL	MR64		34	02 63	J	4200410	
A	4200409	PL	C	CB4 PRE-AMP & PULSE	U	JPL	MR64		34	11 62	J	4200409	
C	4200410		A	CB14CB4 SUBASSEMBLY	U	JPL	MR64		34	01 62	J	4200596	
J	4200411			CB4 PC PRE-AMP&PULSE	U	JPL	MR64		34	01 62	J	4200409	
J	4200412		A	CB1 HIGH VOLT&LOW	U	JPL	MR64		34	02 63	J	4200410	
J	4200413			CB1 PC HIGH VOLT&LOW	U	JPL	MR64		34	01 62	J	4200412	
J	4200414		A	CB2 ASSY PULSE DEMOD	U	JPL	MR64		34	02 63	J	4200415	
C	4200415		A	CB2 & CB3 SUBASSY	U	JPL	MR64		34	03 62	J	4200596	
J	4200416			CB2 PC PULSE DEMOD	U	JPL	MR64		34	01 62	J	4200414	
J	4200417		A	CB3 REED DRIVE ELECT	U	JPL	MR64		34	22 63	J	4200415	
A	4200417	PL	D	CB3 REED DRIVE ELECT	U	JPL	MR64		34	11 62	J	4200417	
J	4200418			CB3 PC REED DR ELECT	U	JPL	MR64		34	01 62	J	4200417	

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							SERIAL	THRU REV.					
J	4200500		B	SCHEM DIA CC&S	U	JPL	MR64		34	08 62	J	4200502	
B	4200500		B	LAUNCH COUNTER	U	JPL	MR64		34	08 62	J	4200503	
A	4200501	PL	C	CB1 LAUNCH COUNTER	U	JPL	MR64		34	08 62	J	4200501	
J	4200501		B	CB1 ASSY LAUNCH CNTR	U	JPL	MR64		34	08 62	J	4200503	
A	4200502	PL	B	CB2 LAUNCH COUNTER	U	JPL	MR64		34	08 62	J	4200502	
J	4200502		B	CB2 ASSY LAUNCH CTR	U	JPL	MR64		34	08 62	J	4200503	
D	4200503		B	5A2 CC&S LAUNCH CNTR	U	JPL	MR64		34	08 62	J	4901041	
D	4200504		A	SUBCHASS LAUNCH COUT	U	JPL	MR64		34	08 62	J	4200503	
J	4200505		A	CB1 PC LAUNCH COUNTER	U	JPL	MR64		34	08 62	J	4200501	
J	4200506		A	CB2 PC LAUNCH COUNTER	U	JPL	MR64		34	08 62	J	4200502	
D	4200508			CC&S ARRANGEMENT	* U	JPL	MR64		34	08 62	J		
J	4200509		A	CASE HARNESS SCHEM	* U	JPL	MR64		34	08 62	J		
J	4200510		B	CENTRAL CLOCK SCHEM	U	JPL	MR64		34	07 62	J	4200512	
B	4200510		B	CENTRAL CLOCK SCHEM	U	JPL	MR64		34	07 62	J	4200513	
J	4200510		B	CENTRAL CLK SUBAS	U	JPL	MR64		34	08 62	J	4200511	
J	4200511		B	CB1 ASSY CENTRAL CLK	U	JPL	MR64		34	08 62	J	4200513	
A	4200511	PL	C	CB1 CENTRAL CLOCK	U	JPL	MR64		34	08 62	J	4200511	
J	4200512		B	CB2 ASSY CENT CLOCK	U	JPL	MR64		34	08 62	J	4200513	
A	4200512	PL	D	CB2 CENTRAL CLOCK	U	JPL	MR64		34	08 62	J	4200512	
D	4200513		C	5A1 CC&S CENTRAL CLK	U	JPL	MR64		34	08 62	J	4901041	
D	4200514		A	SUBCHAS CENTRAL CLK	U	JPL	MR64		34	08 62	J	4200513	
J	4200515		B	PC CB1 CENTRAL CLOCK	U	JPL	MR64		34	08 62	J	4200511	
J	4200516		A	CB2 PC CENTRAL CLOCK	U	JPL	MR64		34	08 62	J	4200512	
J	4200520		B	MANEUVR CLK SCHEM DIA	U	JPL	MR64		34	08 62	J	4200521	
J	4200520		B	MANEUVER CLOCK SCHEM	U	JPL	MR64		34	03 62	J	4200522	
J	4200520		B	MANEUVER CLOCK SCHEM	U	JPL	MR64		34	08 62	J	4200523	
J	4200521		B	CB1 ASSY MANEUVR CLK	U	JPL	MR64		34	08 62	J	4200523	
A	4200521	PL	B	CB1 MANEUVER CLOCK	U	JPL	MR64		34	08 62	J	4200521	
J	4200522		B	CB2 ASSY MANEUVR CLK	U	JPL	MR64		34	08 62	J	4200523	
A	4200522	PL	B	CB2 MANEUVER CLOCK	U	JPL	MR64		34	08 62	J	4200522	
D	4200523		B	5A4 CC&S MAN CLOCK	U	JPL	MR64		34	08 62	J	4901041	
D	4200524		A	SUBCHASS MANEUVER	U	JPL	MR64		34	08 62	J	4200523	
J	4200525		A	CB1 PC MANEUVER DUR	U	JPL	MR64		34	08 62	J	4200521	
J	4200526		A	PC CB2 MANEUVR CLOCK	U	JPL	MR64		34	08 62	J	4200522	
J	4200530		B	ADDRESS REGIS SCHEM	U	JPL	MR64		34	07 62	J	4200531	
J	4200530		C	ADDRESS REG SCHEM	U	JPL	MR64		34	08 62	J	4200532	
J	4200530		C	ADDRESS REG SCHEM	U	JPL	MR64		34	08 62	J	4200533	
A	4200531	PL	B	CB1 ADDRESS REGISTER	U	JPL	MR64		34	08 62	J	4200531	
J	4200531		A	CB1 ASSY MANEUVR DUPT	U	JPL	MR64		34	08 62	J	4200533	
A	4200532	PL	C	CB2 ADDRESS REGISTER	U	JPL	MR64		34	08 62	J	4200532	

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								REWORK	ITEM		NO.	DATE			
J	4200532		A	CB2 ADDRESS REGISTER			U	JPL	MR64		34	08	62	J	4200533
D	4200533		C	5A6 CC&S ADDRESS REG			U	JPL	MR64		34	08	62	J	4901041
D	4200534		A	SUBCHASSIS ADD REG			U	JPL	MR64		34	08	62	J	4200533
J	4200535		A	CB1 PC MD OUTPUT			U	JPL	MR64		34	08	62	J	4200531
J	4200536		A	CB2 PC MD OUTPUT			U	JPL	MR64		34	08	62	J	4200532
D	4200537		C	SUBCHASS END COUNTER			U	JPL	MR64		34	08	62	J	4200573
J	4200538		D	CB1 ASSY END COUNTER			U	JPL	MR64		34	08	62	J	4200573
A	4200538	PL	D	CB1 END COUNTER			U	JPL	MR64		34	08	62	J	4200538
J	4200539		D	CB2 ASSY END COUNTER			U	JPL	MR64		34	08	62	J	4200573
A	4200539	PL	D	CB2 END COUNTER			U	JPL	MR64		34	08	62	J	4200539
J	4200540		B	MANEUVR DUR SCHEM DIA			U	JPL	MR64		34	08	62	J	4200541
J	4200540		B	MANEUVR DUR SCHEM			U	JPL	MR64		34	08	62	J	4200542
J	4200540		B	MANEUVR DUR SCHEM			U	JPL	MR64		34	08	62	J	4200543
A	4200541	PL	B	CB1 MANEUVR DURATON			U	JPL	MR64		34	08	62	J	4200541
J	4200541		B	CB1 ASSY MANEUVR DUR			U	JPL	MR64		34	08	62	J	4200543
A	4200542	PL	B	CB2 MANEUVR DURATON			U	JPL	MR64		34	08	62	J	4200542
J	4200542		B	CB2 ASSY MANEUVR DUR			U	JPL	MR64		34	08	62	J	4200543
D	4200543		B	5A5 CC&S MAN DURATN			U	JPL	MR64		34	08	62	J	4901041
D	4200544		A	SUBCHASS MANEUVR			U	JPL	MR64		34	08	62	J	4200543
J	4200545		A	CB1 PC MANEUVR DURAT			U	JPL	MR64		34	08	62	J	4200541
J	4200546		A	CB2 PC MANEUVR DUR			U	JPL	MR64		34	08	62	J	4200542
J	4200550		B	INPUT DECOD SCHEM			U	JPL	MR64		34	08	62	J	4200551
J	4200550		B	INPUT DECODER SCHEM			U	JPL	MR64		34	08	62	J	4200552
J	4200550		B	INPUT DECODER SCHEM			U	JPL	MR64		34	08	62	J	4200553
A	4200551	PL	B	CB1 INPUT DECODER			U	JPL	MR64		34	08	62	J	4200551
J	4200551		A	CB1 ASSY INPUT DECOD			U	JPL	MR64		34	08	62	J	4200553
A	4200552	PL	B	CB2 INPUT DECODER			U	JPL	MR64		34	08	62	J	4200552
J	4200552		A	CB2 ASSY INPT DECODR			U	JPL	MR64		34	08	62	J	4200553
D	4200553		C	5A7 CC&S INPUT DECOD			U	JPL	MR64		34	08	62	J	4901041
D	4200554		A	SUBCHAS INPUT DECODE			U	JPL	MR64		34	08	62	J	4200553
J	4200555		A	CB1 PC INPUT DECODER			U	JPL	MR64		34	08	62	J	4200551
J	4200556		A	CB2 PC INPUT DECODER			U	JPL	MR64		34	08	62	J	4200552
D	4200557		A	CB2 XFMR RECT			U	JPL	MR64		34	08	62	J	4200563
A	4200557	PL	B	CB2 TRANSFORMER RECT			U	JPL	MR64		34	08	62	J	4200557
B	4200558		A	TRANSFLUXOR TM10			U	JPL	MR64		34	08	62	J	4200573
J	4200559		A	CB2 PC XFMR RECTIF			U	JPL	MR64		34	08	62	J	4200557
D	4200560		D	TRANSFORMER SCHEM			U	JPL	MR64		34	08	62	J	4200563
D	4200560		D	XFORMER RECT SCHEM			U	JPL	MR64		34	08	62	J	4200557
A	4200561	PL	C	CB1 TRANSFORMER RECT			U	JPL	MR64		34	08	62	J	4200561
D	4200561		B	CB1 XFMR RECTIFIER			U	JPL	MR64		34	08	62	J	4200563

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REV	DRAWING NO.	PART NO.	REV	TITLE	QTY	UNIT	VERSION	RELEASED FOR		REV.	RELEASED DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	S
								REWORK	ITEM		NO.	DATE			
J	4200562		B	CB1 PC XFMR RECTIF			U	JPL	MR64		34	08	62	J	4200561
D	4200563		D	5A8 CC&S XFMR RECT			U	JPL	MR64		34	08	62	J	4901041
D	4200564		B	SUBCHAS XFMR RECT			U	JPL	MR64		34	08	62	J	4200563
B	4200565		B	BRACKET DIODE XFMR			U	JPL	MR64		34	01	62	J	4200563
C	4200566		A	STRAP RELAY CC&S			U	JPL	MR64		34	08	62	J	4200563
B	4200567		A	INDUCTOR XFMR RECT			U	JPL	MR64		34	01	62	J	4200563
B	4200568		A	INSULATION BD XFMR			U	JPL	MR64		34	01	62	J	4200563
B	4200569		A	INDUCTOR BRKT XFMR			U	JPL	MR64		34	08	62	J	4200563
J	4200570		D	END COUNTER CC&S			U	JPL	MR64		34	08	62	J	4200573
J	4200570		D	END COUNTER SCHEM			U	JPL	MR64		34	08	62	J	4200538
J	4200570		D	END COUNTER SCHEM			U	JPL	MR64		34	08	62	J	4200539
J	4200571		B	CB1			U	JPL	MR64		34	08	62	J	4200538
J	4200572		A	CB2 PC END COUNTER			U	JPL	MR64		34	08	62	J	4200539
D	4200573		B	5A3 CC&S END COUNTER			U	JPL	MR64		34	07	62	J	4901041
A	4200573	PL2	C	CB1 END COUNTER			U	JPL	MR64		34	07	62	J	4200573
A	4200573	PL5	A	CB2 END COUNTER			U	JPL	MR64		34	01	62	J	4200573
B	4200574		A	TRANSFLUXOR TM7			U	JPL	MR64		34	08	62	J	4200573
B	4200575		A	TRANSFLUXOR TM8			U	JPL	MR64		34	08	62	J	4200573
B	4200576		A	TRANSFLUXOR TM9			U	JPL	MR64		34	08	62	J	4200573
J	4200596		C	ELECTRONIC ASSY			U	JPL	MR64		34	06	62	J	4800370
C	4200597			MAGNETIC SHIELD			U	JPL	MR64		34	01	62	J	4200410
C	4200597			MAGNETIC SHIELD			U	JPL	MR64		34	01	62	J	4200415
C	4200598			XFMR MTG BRACKET			U	JPL	MR64		34	01	62	J	4200596
C	4200599			H V XFMR MTG BRKT			U	JPL	MR64		34	01	62	J	4200596
D	4200630		A	SHIELD REG WELDMENT			U	JPL	MR64		34	11	62	J	4201060
C	4200635		A	COVER TOP SHIELD REG			U	JPL	MR64		34	11	62	J	4200630
C	4200638			TB SW AMPLIFIER LOGIC			U	JPL	MR64		34	02	62	J	4200640
C	4200638			TERM BD SW AMPL LOG			U	JPL	MR64		34	02	62	J	4200641
C	4200638			TB SW AMPLIFIER LOGIC			U	JPL	MR64		34	02	62	J	4200639
C	4200639			CKT BD 3 ASSY SW AMP			U	JPL	MR64		34	02	62	J	4200351
C	4200640			CB4SW AMPLIFIER LOGIC			U	JPL	MR64		34	02	62	J	4200351
C	4200641			CKT BD 5 SW AMPL			U	JPL	MR64		34	02	62	J	4200351
D	4200822		A	HOUSING PHOTOMULTPLR			U	JPL	MR64		34	02	63	J	4800369
C	4200823			STEM RESISTOR BLOCK			U	JPL	MR64		34	06	62	J	4200826
C	4200824		A	UPPER TERMINAL PLATE			U	JPL	MR64		34	02	63	J	4200826
C	4200825		A	LOWER TERMINAL PLATE			U	JPL	MR64		34	02	63	J	4200826
C	4200826		D	PHOTOMULT TUBE ASSY			U	JPL	MR64		34	02	63	J	4200822
C	4200827		A	COIL ASSY			U	JPL	MR64		34	02	63	J	4800369
D	4200828		A	MAGNET ASSEMBLY			U	JPL	MR64		34	02	63	J	4800369
D	4200829		A	BASE COIL			U	JPL	MR64		34	02	63	J	4200827

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REV	DRAWING NO.	REV NO.	REV DATE	TITLE	CPL	UNIT	REWORK CODE	RELEASE FOR		REV NO.	REV DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								MAJOR ITEM	THRU REV.					
C	4200830			SCREW RAIL	U	JPL	MR64			34	06	62	J	4800369
C	4200831			RAIL	U	JPL	MR64			34	06	62	J	4800369
C	4200832			HOUSING LENS	U	JPL	MR64			34	06	62	J	4200848
C	4200833			SHADE LIGHT	U	JPL	MR64			34	06	62	J	4200848
C	4200834			BRACKET TRANSDUCER	U	JPL	MR64			34	06	62	J	4800369
C	4200836			BRACKET CONNECTOR	U	JPL	MR64			34	06	62	J	4200596
C	4200837			BRKT BOARD ATTACH	U	JPL	MR64			34	06	62	J	4200596
D	4200838			REED CHOPPER DRIVE	U	JPL	MR64			34	06	62	J	4800369
C	4200839			NUTPLATE CONNECTOR	U	JPL	MR64			34	06	62	J	4200596
C	4200840			REED LENS	U	JPL	MR64			34	06	62	J	4800370
C	4200841			FRAME CHOPPER & COIL	U	JPL	MR64			34	06	62	J	4800369
D	4200842		B	CHOPPER	U	JPL	MR64			34	06	62	J	4800369
D	4200843			MOUNT REEDS	U	JPL	MR64			34	06	62	J	4800369
C	4200844			BEARING PLATE	U	JPL	MR64			34	06	62	J	4800369
C	4200845			PICKOFF CHOPPER DR	U	JPL	MR64			34	06	62	J	4200852
J	4200846		A	COVER BRAZEMENT	U	JPL	MR64			34	06	62	J	4200596
D	4200847			HOUSING CHOPPER DR	U	JPL	MR64			34	06	62	J	4800369
C	4200848			LENS ASSEMBLY	U	JPL	MR64			34	06	62	J	4800370
C	4200849			STANDOFF BOARD MOUNT	U	JPL	MR64			34	06	62	J	4200596
D	4200850		A	HOUSING PHOTOMULTIPLR	U	JPL	MR64			34	06	62	J	4200822
C	4200852			METRISITE REWORK	U	JPL	MR64			34	06	62	J	4800369
C	4200853			NUTPLATE	U	JPL	MR64			34	06	62	J	4800370
B	4200855			WINDOW PHOTOMULTIPLR	U	JPL	MR64			34	06	62	J	4200822
B	4200856			INSULATING CUP	U	JPL	MR64			34	06	62	J	4200822
B	4200857			WASHER PHOTOMULTIPLR	U	JPL	MR64			34	06	62	J	4200822
C	4200858			SHIELD	U	JPL	MR64			34	06	62	J	4200822
C	4200859			INSULATOR PHOTOMULT	U	JPL	MR64			34	06	62	J	4200822
C	4200860			CAP PHOTOMULT TUBE	U	JPL	MR64			34	06	62	J	4200822
C	4200861			MOUNT MAGNET	U	JPL	MR64			34	06	62	J	4800369
C	4200862			SHIELD INSTALLATION	U	JPL	MR64			34	06	62	J	4200822
C	4200863			LOCATOR BASE	U	JPL	MR64			34	06	62	J	4800370
B	4200864			ADJUSTING SCREW	U	JPL	MR64			34	06	62	J	4800369
C	4200865			PLUG POT ADJUST HOLE	U	JPL	MR64			34	06	62	J	4200822
J	4200866			OUTLINE	U	JPL	MR64			34	06	62	J	4800370
C	4200868			LENS COVER	U	JPL	MR64			34	06	62	J	4800370
J	4200872			CASE LONG RANGE SENS	U	JPL	MR64			34	06	62	J	4800370
C	4200873			STRAP RAIL	U	JPL	MR64			34	06	62	J	4800369
J	4200885			ANTENNA DRIVE ASSY	U	JPL	MR64			34	10	62	J	4101001
J	4200886			GEAR TRAIN ASSEMBLY	U	JPL	MR64			34	10	62	J	4200885
D	4200887			YOKE ADAPTER ASSY	U	JPL	MR64			34	10	62	J	4200885

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								MAJOR ITEM	THRU REV.					
D	4200888			PLATE ADAPTER	U	JPL	MR64			34	10	62	J	4200887
D	4200889			TEE ADAPTER	U	JPL	MR64			34	10	62	J	4200887
J	4200892			YOKE	U	JPL	MR64			34	10	62	J	4200885
C	4200893			SHIM ADAPTER	U	JPL	MR64			34	10	62	J	4200887
J	4201036		A	GYRO CONTROL SCHEM	U	JPL	MR64			34	10	62	J	4200300
J	4201037			CB4 PRINTED CIRCUITY	U	JPL	MR64			34	09	62	J	4200312
A	4201038			ENCAPSULATING CAP	U	JPL	MR64			34	09	62	J	4200300
A	4201038			ENCAPSULATING CAP	U	JPL	MR64			34	09	62	J	4200302
A	4201038			ENCAPSULATING CAP	U	JPL	MR64			34	09	62	J	4200303
B	4201039			SLEEVE INSULATOR	U	JPL	MR64			34	09	62	J	4200300
B	4201040			WASHER INSULATOR	U	JPL	MR64			34	09	62	J	4200300
B	4201041		B	SLEEVE INSULATOR	U	JPL	MR64			34	09	62	J	4100300
B	4201042		A	WASHER INSULATOR	U	JPL	MR64			34	09	62	J	4100300
B	4201044		A	BUSHING BOTTLE BRKT	U	JPL	MR64			34	11	62	J	4200588
D	4201052			MANIFOLD YAW JETS	U	JPL	MR64			34	12	62	J	4201053
D	4201053			YAW JETS, ASSY	U	JPL	MR64			34	12	62	J	4201060
D	4201054			MANIFOLD ROLL&PITCH	U	JPL	MR64			34	12	62	J	4201055
D	4201055			ROLL JETS, ASSY	U	JPL	MR64			34	12	62	J	4201060
C	4201056			NOZZLE BLANK	U	JPL	MR64			34	11	62	J	4201057
D	4201057			NOZZLE JET	U	JPL	MR64			34	11	62	J	4201060
C	4201058			BRK SUPPORT YAW JET	U	JPL	MR64			34	11	62	J	4101033
D	4201059			BLK DIAG ATTITUDE	U	JPL	MR64			34	11	62	J	4201060
J	4201060			SYS GAS ATT CONTROL	U	JPL	MR64			34	11	62	J	4101001
D	4201063			ADAPTER FILTER	U	JPL	MR64			34	01	63	J	4201053
J	4201063			ADAPTER FILTER	U	JPL	MR64			34	01	63	J	4201055
C	4201300			TEE SOCKET WELD LP	U	JPL	MR64			34	12	62	J	4201060
C	4201337			WEDGE	U	JPL	MR64			34	12	62	J	4201060
J	4400078			CB1 PC PW SUPPLY	U	JPL	MR64			34	12	62	J	4400312
J	4400272		A	POWER SWITCHING	U	JPL	MR64			34	12	62	J	4400273
J	4400272		A	POWER SWITCHING	U	JPL	MR64			34	12	62	J	4400278
J	4400272		A	POWER SWITCHING	U	JPL	MR64			34	12	62	J	4400279
J	4400273		A	4A1 SUBASSY PWR SW	U	JPL	MR64			34	12	62	J	4201041
J	4400277		A	SUBASSY TELEMETERING	U	JPL	MR64			34	12	62	J	4400273
D	4400283		A	CB1 ASSY PW SWITCHING	U	JPL	MR64			34	12	62	J	4400277
D	4400286			CHASSIS	U	JPL	MR64			34	12	62	J	4400285
J	4400287			CB1 BOOSTER REG	U	JPL	MR64			34	12	62	J	4400285
A	4400287	PL		CB1 BOOSTER REG	U	JPL	MR64			34	12	62	J	4400287
B	4400288			XFMR BOOSTER REG	U	JPL	MR64			34	12	62	J	4400285
B	4400289			INDUCTOR	U	JPL	MR64			34	12	62	J	4400285
C	4400290		A	TRANSFORMER T2	U	JPL	MR64			34	12	62	J	4400287

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							SERIAL	TYPE SER.		NO.	JP			
D	3151066	C	GROUND PLANE	U	JPL	MR64			35	01	63	J	4100436	
C	3151068	B	STIFFENER	U	JPL	MR64			35	01	63	J	4100436	
C	3151073	D	CAP CONDUCTOR ANTENN	U	JPL	MR64			35	01	63	J	4100322	
C	3151078	C	PLUG	U	JPL	MR64			35	01	63	J	4100324	
C	3151080	E	SHELL CONNECTOR	U	JPL	MR64			35	01	63	J	4100323	
B	3151087	B	STUD THREADED 4 FT	U	JPL	MR64			35	01	63	J	4100331	
D	3151129	C	CONN RIGHT ANGLE	U	JPL	MR64			35	12	62	J	4100320	
D	3151130	B	BODY RIGHT ANGLE	U	JPL	MR64			35	12	62	J	3151129	
B	3151131	A	INSUL CONN R ANGLE	U	JPL	MR64			35	01	63	J	3151129	
B	3151132	A	INSULAT CONN R ANGLE	U	JPL	MR64			35	01	63	J	3151129	
B	3151133	B	CONTACT R ANGLE CONN	U	JPL	MR64			35	01	63	J	3151129	
C	3151135	A	CONN. INS. R ANGLE	U	JPL	MR64			35	01	63	J	3151129	
B	3151157	R	STUD	U	JPL	MR64			35	01	63	J	4100334	
B	3151165	R	SPACER R ANGLE CONN	U	JPL	MR64			35	01	63	J	3151129	
B	3151174	B	NUT PLAIN HEX MOD	U	JPL	MR64			35	01	63	J	4100320	
C	3151193	B	CLIP BRKT ELEC DISC	U	JPL	MR64			35	12	62	J	4100335	
C	3151723	B	ANGLE SUPP INSIDE	U	JPL	MR64			35	12	62	J	4100303	
C	3151724	B	ANGLE SUPP FRAME	U	JPL	MR64			35	12	62	J	4100303	
C	3151777	B	BRKT ACTUATOR SOLAR	U	JPL	MR64			35	12	62	J	4101003	
J	3158416	A	SUBCHASSIS MACHINED	U	JPL	MR64			35	01	63	J	4600327	
D	3158416	A	SUBCHASSIS MACHINED	U	JPL	MR64			35	01	63	J	4600328	
J	3158874	B	CABLE RETAINING BRKT	U	JPL	MR64			35	04	63	J	4901041	
D	3172189	A	TRANSPONDER 2A3	U	JPL	MR64			35	12	62	J	4901341	
B	4100049	A	PTN LOCATING	U	JPL	MR64			35	12	62	J	4100303	
B	4100144	A	DOUBLE SUPPT STRUCT	U	JPL	MR64			35	01	63	J	4100352	
B	4100146	A	DOUBLE SUPPT STRUCT	U	JPL	MR64			35	12	62	J	4100336	
C	4100149	A	STIFFENER SUPP STRUCT	U	JPL	MR64			35	01	63	J	4100335	
J	4100151	B	CHANNEL WELD STRUCT	U	JPL	MR64			35	12	62	J	4100336	
D	4100152	B	CHANNEL WELD STRUCT	U	JPL	MR64			35	12	62	J	4100336	
J	4100153	A	CHANNEL WELD STRUCT	U	JPL	MR64			35	12	62	J	4100152	
D	4100154	B	RING FLANGE OUTER	U	JPL	MR64			35	12	62	J	4100336	
C	4100155	A	BRACE PIVOT ARM	U	JPL	MR64			35	01	63	J	4100336	
C	4100159	A	REFLECT HI GAIN ANT	U	JPL	MR64			35	12	62	J	4100321	
B	4100190	B	DOUBLER SUPPT STRUCT	U	JPL	MR64			35	12	62	J	4100151	
D	4100190	B	DOUBLER SUPPT STRUCT	U	JPL	MR64			35	12	62	J	4100152	
B	4100190	B	DOUBLER SUPPT STRUCT	U	JPL	MR64			35	12	62	J	4100330	
C	4100191	A	DOUBLER RING FLANGE	U	JPL	MR64			35	01	63	J	4100154	
D	4100194	A	RING FLANGE INNER	U	JPL	MR64			35	12	62	J	4100336	
C	4100195	A	STRIP INNER ANTENNA	U	JPL	MR64			35	01	63	J	4100321	

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							SERIAL	TYPE SER.		NO.	JP			
B	4100196	A	DOUBLER RING FLANGE	U	JPL	MR64			35	01	63	J	4100336	
D	4100198	A	STRIP OUTER SUPPT	U	JPL	MR64			35	12	62	J	4100321	
C	4100199	A	STRIP RADIAL ANTENNA	U	JPL	MR64			35	01	63	J	4100321	
J	4100200	B	LOUVER INSTALLATION	U	JPL	MR64			35	12	62	J	4901041	
J	4100201	B	HOUSING ASSEMBLY	U	JPL	MR64			35	12	62	J	4100223	
J	4100202	B	HOUSING ASSEMBLY	U	JPL	MR64			35	12	62	J	4100223	
C	4100203	B	PLAYE LOUVER END	U	JPL	MR64			35	01	63	J	4100223	
J	4100204	B	ACTUATOR ASSY LOUVER	U	JPL	MR64			35	01	63	J	4100419	
D	4100204	B	ACTUATOR ASSY LOUVER	U	JPL	MR64			35	01	63	J	4101066	
B	4100209	A	STOP LOUVER	U	JPL	MR64			35	12	62	J	4100201	
B	4100209	A	STOP LOUVER	U	JPL	MR64			35	12	62	J	4100202	
B	4100209	A	STOP LOUVER	U	JPL	MR64			35	12	62	J	4101064	
B	4100209	A	STOP LOUVER	U	JPL	MR64			35	12	62	J	4101065	
D	4100210	B	LOUVER ASSEMBLY COMP	U	JPL	MR64			35	01	63	J	4100419	
B	4100211	B	LOUVER ASSEMBLY	U	JPL	MR64			35	01	63	J	4100210	
B	4100213	B	HOUSING TRUST BEARING	U	JPL	MR64			35	01	63	J	4100210	
C	4100214	A	BEARING ASSEMBLY	U	JPL	MR64			35	01	63	J	4100210	
C	4100214	A	BEARING ASSEMBLY	U	JPL	MR64			35	01	63	J	4101062	
B	4100214	A	SHAP	U	JPL	MR64			35	01	63	J	4100214	
B	4100215	A	RETAINER SELF-LOCKING	U	JPL	MR64			35	01	63	J	4100214	
B	4100217	A	WASHER	U	JPL	MR64			35	01	63	J	4100214	
B	4100218	A	BEARING	U	JPL	MR64			35	01	63	J	4100214	
B	4100219	A	PAD	U	JPL	MR64			35	01	63	J	4100214	
J	4100223	B	RACK INSTALLATION	U	JPL	MR64			35	01	63	J	4600457	
J	4100223	B	RACK INSTALLATION	U	JPL	MR64			35	01	63	J	4901054	
B	4100228	A	ACTUATOR SPIRAL COIL	U	JPL	MR64			35	01	63	J	4100204	
C	4100317	A	YUPE SUPERSTRUCTURE	U	JPL	MR64			35	01	63	J	4101340	
J	4100320	B	ANTENNA 4FT ASSY	U	JPL	MR64			35	12	62	J	4101001	
J	4100321	A	REFLECT HI GAIN ANT	U	JPL	MR64			35	12	62	J	4100320	
J	4100323	A	OUTER CONDUCTOR ASSY	U	JPL	MR64			35	01	63	J	4100322	
C	4100324	B	INNER CONDUCTOR ASSY	U	JPL	MR64			35	01	63	J	4100322	
C	4100325	A	CONDUCTOR INNER ANTE	U	JPL	MR64			35	01	63	J	4100324	
B	4100326	A	BLOCK SHORTING DIPOL	U	JPL	MR64			35	01	63	J	4100324	
D	4100327	A	CONDUCTOR OUTER ANT	U	JPL	MR64			35	01	63	J	4100323	
C	4100328	A	FEED DIPOLE ELEMENT	U	JPL	MR64			35	01	63	J	4100323	
B	4100329	A	SLEEVE FEED ELEMENT	U	JPL	MR64			35	01	63	J	4100323	
J	4100330	B	SUPPORT PIVOT ARM	U	JPL	MR64			35	12	62	J	4100321	
C	4100331	A	LONGERON ASSEMBLY	U	JPL	MR64			35	01	63	J	4100320	
B	4100332	A	HIGH GAIN ANTENNA	U	JPL	MR64			35	01	63	J	4100331	
B	4100333	A	STUD SLOTTED ANTENNA	U	JPL	MR64			35	01	63	J	4100331	

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SIZE	DRAWING NO.	REV. NO.	REV. DATE	TITLE	REV. CODE	REV. DATE	RELEASE FOR		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	S
							REVISION	THIRD REV.		NO.	YR.			
D	4100334			A HUB SUPPT STRUCT ANT	U	JPL	MR64		35	12	62	J	4100335	
J	4100335			A HUB ASSY HI GAIN ANT	U	JPL	MR64		35	12	62	J	4100336	
J	4100336			A SUPPT STRUCT ASSY	U	JPL	MR64		35	12	62	J	4100321	
B	4100337			A SCREW SHORTING BLOCK	U	JPL	MR64		35	01	63	J	4100322	
B	4100339			A SLEEVE INSUL ANTENNA	U	JPL	MR64		35	01	63	J	4100335	
J	4100380			A SUPPORT A6D SC MACH	U	JPL	MR64		35	01	63	J	4101003	
J	4100381			C SUPPORT B6F SC MACH	U	JPL	MR64		35	12	62	J	4101003	
J	4100382			C SUPPORT A SC MACHING	U	JPL	MR64		35	01	63	J	4101003	
C	4100386			A FITTING	U	JPL	MR64		35	12	62	J	4101003	
C	4100387			A TUBE	U	JPL	MR64		35	12	62	J	4101003	
C	4100388			A STIFFENER DIAGONAL	U	JPL	MR64		35	12	62	J	4101003	
C	4100389			A BRKT ARMING SWITCH	U	JPL	MR64		35	12	62	J	4101003	
U	4100390			A BACKTIE	U	JPL	MR64		35	12	62	J	4101003	
B	4100391			A TUBE STRUCT K BRACE	U	JPL	MR64		35	12	62	J	4101003	
D	4100392			A BRACKET K BRACE	U	JPL	MR64		35	12	62	J	4101003	
D	4100393			A BRACKET K BRACE	U	JPL	MR64		35	12	62	J	4101003	
B	4100394			A END FITTING STRUCT K	U	JPL	MR64		35	12	62	J	4101391	
C	4100395			A FITTING TUBE	U	JPL	MR64		35	12	62	J	4101003	
B	4100396			A BRKT REFERENCE PLATE	U	JPL	MR64		35	12	62	J	4101003	
C	4100397			A BRKT ARMING SWITCH	U	JPL	MR64		35	12	62	J	4101003	
B	4100399			A ADAPTER SUN GATE	U	JPL	MR64		35	12	62	J	4101003	
B	4100416			A MIRROR ACTUATION INU	U	JPL	MR64		35	01	63	J	4100419	
J	4100419			A LOUVER INSTALLATION	U	JPL	MR64		35	01	63	J	4101001	
B	4100429			A MIRROR	U	JPL	MR64		35	01	63	J	4100418	
D	4100436			A GROUND PLANE ASSY	U	JPL	MR64		35	01	63	J	4100423	
D	4100437			A HUB GROUND PLANE ANT	U	JPL	MR64		35	01	63	J	4100436	
B	4100438			A INSULATOR HI GAIN	U	JPL	MR64		35	01	63	J	4100324	
C	4100439			A DOUBLER PIVOT ARM	U	JPL	MR64		35	12	62	J	4100336	
B	4100440			A TRANSFORMER COAXIAL	U	JPL	MR64		35	01	63	J	4100324	
C	4100511			A BODY FUEL MANIFOLD	U	JPL	MR64		35	12	62	J	4100510	
D	4100516			A TANK SHELL NITROGEN	U	JPL	MR64		35	12	62	J	4100515	
C	4100517			A MANIFOLD BODY NITRO	U	JPL	MR64		35	12	62	J	4100515	
J	4100518			A BODY NITRO VALVE	U	JPL	MR64		35	12	62	J	4100563	
D	4100529			A CARTRIDGE OXI ASSY	U	JPL	MR64		35	12	62	J	4100528	
D	4100531			A CARTRIDGE OXI WELDMT	U	JPL	MR64		35	12	62	J	4100529	
C	4100533			A FITTING OXIDIZER	U	JPL	MR64		35	12	62	J	4100532	
D	4100534			A BODY VALVE ASSEMBLY	U	JPL	MR64		35	12	62	J	4100532	
C	4100535			A NUT COUPLING	U	JPL	MR64		35	12	62	J	4100532	
D	4100537			A BODY FILL VALVE	U	JPL	MR64		35	12	62	J	4100519	
J	4100537			A BODY FILL VALVE	U	JPL	MR64		35	12	62	J	4100536	

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SIZE	DRAWING NO.	REV. NO.	REV. DATE	TITLE	REV. CODE	REV. DATE	RELEASE FOR		RESP. DIV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	S
							REVISION	THIRD REV.		NO.	YR.			
C	4100542			A BRKT ELECTRICAL	U	JPL	MR64		35	12	62	J	4100541	
J	4100549			A VALVE FUEL 2-WAY	U	JPL	MR64		35	12	62	J	4100505	
J	4100550			A BODY FUEL VALVE 2-WY	U	JPL	MR64		35	12	62	J	4100549	
D	4100552			A ADAPTER ENGINE FLANG	U	JPL	MR64		35	12	62	J	4100527	
C	4100553			A CLAMP OXIDIZER	U	JPL	MR64		35	12	62	J	4100527	
J	4101003			A HEX STRUCTURE ASSY	U	JPL	MR64		35			O	4101002	
J	4101010			A SUPP C SPACECRAFT	U	JPL	MR64		35	01	63	J	4101003	
C	4101011			A FITTING FOOT C	U	JPL	MR64		35	12	62	J	4101003	
J	4101021			A BRKT ATTITUDE CONTRL	U	JPL	MR64		35	12	62	J	4101003	
J	4101025			A MAG SUPPORT ASSY	U	JPL	MR64		35			O	4101002	
D	4101026			A BRACE HEX STRUCT	U	JPL	MR64		35	01	63	J	4101003	
J	4101027			A PLATE STA 438-281	U	JPL	MR64		35			O	4101002	
C	4101028			A LATCH UPPER SOL PNL	U	JPL	MR64		35			O	4101001	
C	4101029			A LINK LATCH SOL PNL	U	JPL	MR64		35			O	4101028	
C	4101030			A BODY EYE SOL PNL	U	JPL	MR64		35			O	4101028	
B	4101031			A BRKT PIN PULLER	U	JPL	MR64		35			O	4101028	
B	4101032			A RETAINER LATCH	U	JPL	MR64		35			O	4101028	
C	4101033			A SHIELD THERMAL ASSY	U	JPL	MR64		35			O	4101002	
C	4101040			A FEED ASSY HI GAIN	U	JPL	MR64		35			O	4101040	
C	4101041			A CAP CONDUCTOR	U	JPL	MR64		35			O	4101040	
C	4101042			A OUTER CONDUCTOR	U	JPL	MR64		35			O	4101040	
C	4101043			A SHELL CONNECTOR	U	JPL	MR64		35			O	4101042	
C	4101044			A OUTER CONDUCTOR	U	JPL	MR64		35			O	4101042	
C	4101045			A FEED DIPOLE ELEMENT	U	JPL	MR64		35			O	4101042	
B	4101046			A SLEEVE FEED ELEMENT	U	JPL	MR64		35			O	4101042	
J	4101047			A GROUND PLANE ASSY	U	JPL	MR64		35			O	4101042	
D	4101048			A PLANE GROUND	U	JPL	MR64		35			O	4101047	
D	4101049			A STIFFENER GROUND PLN	U	JPL	MR64		35			O	4101047	
D	4101050			A HUB GROUND PLANE	U	JPL	MR64		35			O	4101047	
C	4101051			A INNER CONNECTOR ASSY	U	JPL	MR64		35			O	4101040	
C	4101052			A PLUG INNER CONDUCTOR	U	JPL	MR64		35			O	4101051	
C	4101053			A STUD	U	JPL	MR64		35			O	4101051	
C	4101054			A CONDUCTOR INNER	U	JPL	MR64		35			O	4101051	
B	4101055			A BLOCK SHUTTING	U	JPL	MR64		35			O	4101051	
C	4101056			A INSULATOR	U	JPL	MR64		35			O	4101051	
B	4101057			A TRANSFORMER COAXIAL	U	JPL	MR64		35			O	4101051	
B	4101058			A SCREW SHORTING BLOCK	U	JPL	MR64		35			O	4101040	
J	4101060			A LOUVER INST BATTERY	U	JPL	MR64		35	01	63	J	4101001	
J	4101061			A PACK INST BATTERY	U	JPL	MR64		35	01	63	J	4100391	
J	4101062			A LOUVER ASSEMBLY COMP	U	JPL	MR64		35	01	63	J	4101060	

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## DRAWING LIST

CZ	DRAWING NO.	BATH NO.	CZ	TITLE	CZ	CZ	REWORK CODE	RELEASE FOR MAJOR ITEM		REPR. NO.	BY DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	CZ
								SERIAL	THRU SER.		NO.	YR.			
J	4101063			DOOR ASSEMBLY			U JPL MR64	35	01	63			J	4101062	
J	4101064			HOUSING ASSEMBLY L H			U JPL MR64	35	01	63			J	4101061	
J	4101065			HOUSING ASSEMBLY R H			U JPL MR64	35	01	63			J	4101061	
C	4101066			PLATE END			U JPL MR64	35	01	63			J	4101061	
J	4200033		D	ACCELEROMETER & ELEC			U JPL MR64	35	12	62			J	4201041	
J	4200053		C	7A19 CELEST RELAY&PW			U JPL MR64	35	12	62			J	4201041	
B	4200348		A	TRANSFORMER			U JPL MR64	35	07	61			J	4200053	
J	4200368		C	7A1 ATT CONT SUBASSY			U JPL MR64	35	12	62			J	4201041	
C	4200647		A	COVER, ALIGNMENT			U JPL MR64	35	12	62			J	4201041	
J	4201074		A	SCHEMATIC PYRO CONT			U JPL MR64	35	01	63			J	4201096	
J	4201075			CB1 ASSY PYRO CONT			U JPL MR64	35					J	4201097	
J	4201076			CB1 PYROTECHNIC CONT			U JPL MR64	35					J	4201075	
J	4201077			RELAY CONTAINER 1			U JPL MR64	35					J	4201073	
J	4201084			CB2 P-INT'D CIRCUIT			U JPL MR64	35					J	4201098	
J	4201085			CB3 ASSY PYRO CONT			U JPL MR64	35					J	4201097	
J	4201086			CB3 PYROTECHNIC CONT			U JPL MR64	35					J	4201097	
J	4201087			CB4 ASSY PYRO CONT			U JPL MR64	35					J	4201097	
J	4201088			CB4 PYROTECHNIC CONT			U JPL MR64	35					J	4201097	
J	4201089			CB5 PYROTECHNIC CONT			U JPL MR64	35					J	4201097	
J	4201090			CB6 ASSY PYRO CONT			U JPL MR64	35					J	4201097	
J	4201091			CB6 PYROTECHNIC CONT			U JPL MR64	35					J	4201097	
J	4201092			CB7 ASSY PYRO CONT			U JPL MR64	35					J	4201097	
J	4201093			CB7 PYROTECHNIC CONT			U JPL MR64	35					J	4201097	
J	4201094			RELAY CONTAINER 2			U JPL MR64	35					J	4201097	
J	4201095			SUBCHASSIS PYRO CONT			U JPL MR64	35					J	4201097	
J	4201096			PYROTECHNIC CONT BAL			U JPL MR64	35					J	4201096	
J	4201097			BLOCK X-RING DGM			U JPL MR64	35					J	4201097	
J	4201098			CB2 ASSY PYRO CONT			U JPL MR64	35					J	4201098	
A	4201098	PL		CB2 ASSY PYRO CONT			U JPL MR64	35					J	4201098	
A	4201332			POTTING PROCEDURE			U JPL MR64	35					J	4201097	
J	4300187		E	TRANSDUCER 2A1			U JPL MR64	35	12	62			J	4201041	
J	4300188		E	TRANSDUCER 2A2			U JPL MR64	35	12	62			J	4201041	
J	4301194		R	FLTR SUBASSY 2A9			U JPL MR64	35	12	62			J	4201041	
J	4301204		C	AUTO-PILOT 7A4 SUBAY			U JPL MR64	35	12	62			J	4201041	
J	4400205		C	7A13 ANTENNA & SERVO			U JPL MR64	35	12	62			J	4400392	
J	4400127		C	CHASSIS POWER			U JPL MR64	35	12	62			J	4400284	
J	4400127		B	CHASSIS POWER			U JPL MR64	35	11	62			J	4400284	
J	4400284			SCHEM BOOOSTER PWR			U JPL MR64	35	12	62			J	4400285	
J	4400284			SCHEM BOOOSTER PWR			U JPL MR64	35	11	62			J	4400287	
J	4400285			SCHEM RELAY 4A4 PWR			U JPL MR64	35	11	62			J	4201041	

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DRAWING LIST														
C	DRAWING NO	PART NO	TITLE	CUB	CUB	REVISION	REVISION FOR		REVISION	BY DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	#
							MAJOR ITEM	MINOR ITEM		NO.	DATE			
J	4400286		CHASS BOOSTER REG	U	JPL	MR64	35	12	62	J			4400285	
J	4400287	PL	BOOSTER REG & PW	U	JPL	MR64	35	12	62	J			4400287	
C	4400288		TRANSFORMER T1	U	JPL	MR64	35	12	62	J			4400285	
C	4400289		INDUCTOR L1	U	JPL	MR64	35	12	62	J			4400285	
C	4400290		TRANSFORMER T2	U	JPL	MR64	35	12	62	J			4400287	
B	4400291		SUBASSY-CAPACITOR	U	JPL	MR64	35	12	62	J			4400285	
C	4400292		CHASSIS CAP BOST REG	U	JPL	MR64	35	12	62	J			4400291	
C	4400294		CAPACITOR CLAMP	U	JPL	MR64	35	12	62	J			4400285	
J	4400384		COVER BATTERY	U	JPL	MR64	35	12	62	J			4400390	
J	4400390	A	BATTERY ASSY 4A14	U	JPL	MR64	35	01	69	J			4400391	
J	4400391		CHASSIS BATTERY	U	JPL	MR64	35	12	62	J			4400390	
J	4400390		CHASSIS & PW ASSEMBY	U	JPL	MR64	35	12	62	J			4400391	
J	4500304	A	SCHEMATIC	U	JPL	MR64	35	05	61	J			4500304	
J	4500162	B	SHIELD, CHASSIS ASSY	U	JPL	MR64	35	12	62	J			4500161	
J	4500163	A	TOP SHIELD ASSY 3	U	JPL	MR64	35	12	62	J			4500161	
J	4500171	A	CHASSIS ASSY DATA	U	JPL	MR64	35	12	62	J			4500161	
J	4500312		240 SUBASSY M-BAND	U	JPL	MR64	35	12	62	J			4500311	
J	4500313		CIRC & PW MON 2A6	U	JPL	MR64	35	12	62	J			4500311	
J	4500318		COMMUNICATIONS 2A6	U	JPL	MR64	35	12	62	J			4500311	
J	4500321		6MT1 ANA-DIG CONV	U	JPL	MR64	35	12	62	J			4500311	
J	4500323		CONTROL DWG 6A1	U	JPL	MR64	35	01	69	J			4500321	
J	4500324		CONTROL DWG 6K2	U	JPL	MR64	35	01	69	J			4500321	
J	4500325		CONTROL DWG 6K1	U	JPL	MR64	35	01	69	J			4500321	
J	4500326		CONTROL DWG 6MT4	U	JPL	MR64	35	12	62	J			4500321	
J	4500327		CONTROL DWG 6MT3	U	JPL	MR64	35	12	62	J			4500321	
J	4500328		PW GEN CONT DWG 6MT2	U	JPL	MR64	35	12	62	J			4500321	
J	4500329		CONT DWG ENCODER 17R	U	JPL	MR64	35	12	62	J			4500321	
J	4500457		CHASSIS	U	JPL	MR64	35	12	62	J			4500457	
J	4500458		SHIELD, COVER L BAND	U	JPL	MR64	35	12	62	J			4500457	
J	4500459		COMMAND RECORDER 3A3	U	JPL	MR64	35	12	62	J			4500457	
J	4500460		COMM DET 3A2 B67R	U	JPL	MR64	35	12	62	J			4500457	
J	4500461		COMM DET 3A1 SUBASSY	U	JPL	MR64	35	12	62	J			4500457	
J	4500457		CHASSIS ASSY L BAND	U	JPL	MR64	35	12	62	J			4500457	
J	4700344		PLATE THRUST	U	JPL	MR64	35	12	62	J			4700343	
J	4700354		PLUG VALVE	U	JPL	MR64	35	12	62	J			4700349	
J	4700359		BRKT MTS MIDCRS MTR	U	JPL	MR64	35			O			4701020	
J	4700350		BRKT MTS MIDCRS MTR	U	JPL	MR64	35			O			4701020	
J	4700340	A	SUBCHASSIS XPONDER	U	JPL	MR64	35	10	61	J			4300187	
J	4800340	A	SUBCHASSIS XPONDER	U	JPL	MR64	35	10	61	J			4300188	
J	4800326	A	RISER CLAMP WIRE NOZ	U	JPL	MR64	35	12	62	J			4800382	

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REV	DRAWING NO.	PART NO.	REV	TITLE	C/A	DATE	PERM CODE	RELEASE FOR MAJOR ITEM		RESP DIV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	S
								ORIGINAL	THRU SER.		NO.	TH.			
	4800807			IR RADIOMETER 27A1	U	JPL	MR64			35	12	62	J	4800861	
	4800815			SCI PWR SW	U	JPL	MR64			35	11	62	J	4800823	
	4800815		B	SCIENTIFIC PW DIAG	U	JPL	MR64			35	12	62	J	4800823	
	4800815		A	SCIENTIFIC PW SCHEM	U	JPL	MR64			35	11	62	J	4800823	
	4800845			MAGNETOMTR 22A1	U	JPL	MR64			35	12	62	J	4800854	
	4800846			MAGNETOMTR 22A2	U	JPL	MR64			35	12	62	J	4800854	
	4800847			MAGNETOMTR 22A3	U	JPL	MR64			35	12	62	J	4800854	
	4800848			DATA SYSTEM 20A21	U	JPL	MR64			35	12	62	J	4800854	
	4800849			DATA SYSTEM 20A22	U	JPL	MR64			35	12	62	J	4800854	
	4800850			DATA SYSTEM 20A23	U	JPL	MR64			35	12	62	J	4800854	
	4800851			DATA SYSTEM 20A24	U	JPL	MR64			35	12	62	J	4800854	
	4800852			DATA SYSTEM 20A25	U	JPL	MR64			35	12	62	J	4800854	
	4800853			20A6 DAS T/R	U	JPL	MR64			35	12	62	J	4801041	
	4800854			ELECTRONIC ASSY 1	U	JPL	MR64			35	01	63	J	4801041	
	4800858			CB1 ASSY CHANNEL NO2	U	JPL	MR64			35	12	62	J	4800858	
	4800858	PL		CB1 PREAMP CHANN NO1	U	JPL	MR64			35	12	62	J	4800858	
	4800860			CB2 ASSY CHANN NO162	U	JPL	MR64			35	12	62	J	4800858	
	4800860			CB2 ASSY CHANN NO162	U	JPL	MR64			35	12	62	J	4800858	
	4800861	PL		CB2 PREAMP CHANN 162	U	JPL	MR64			35	12	62	J	4800860	
	4800861			CB2 PC CHANN NO16NO2	U	JPL	MR64			35	01	63	J	4800860	
	4800862			SHIELD PREAMP LIFTER	U	JPL	MR64			35	12	62	J	4800860	
	4800862			SHIELD PREAMPLIFIER	U	JPL	MR64			35	12	62	J	4800860	
	4800876			PREAMP SUBASSY NO1	U	JPL	MR64			35	12	62	J	4800881	
	4800878			CB1 ASSY CHANN NO 1	U	JPL	MR64			35	12	62	J	4800876	
	4800878	PL		CB1 PREAMP CHANN NO1	U	JPL	MR64			35	12	62	J	4800878	
	4800882			RADIOMTR CHASS ASSY	U	JPL	MR64			35	01	63	J	4800881	
	4800883			CHASSIS ASSEMBLY	U	JPL	MR64			35	01	63	J	4800854	
	4800884			20A1 SCI PWR SW	U	JPL	MR64			35	01	63	J	4801041	
	4800885			SUBCHASS ASSY POWER	U	JPL	MR64			35	12	62	J	4800884	
	4800941			WAVEGUIDE COUP 35GC	U	JPL	MR64			35	01	63	J	4800881	
	4800942			DIRECT LOUP 10 DB	U	JPL	MR64			35	01	63	J	4800881	
	4800943			WAVEGUIDE COMPLER	U	JPL	MR64			35	01	63	J	4800881	
	4800944			SWITCH 35 G C CONT	U	JPL	MR64			35	01	63	J	4800881	
	4800949			MOD COUP 95C CONT DW	U	JPL	MR64			35	01	63	J	4800881	
	4800950			WAVE GUIDE SUBASSY	U	JPL	MR64			35	01	63	J	4800881	
	4800952			VIDEO DET KA BAND	U	JPL	MR64			35	01	63	J	4800881	
	4800953			VIDEO DET X BAND	U	JPL	MR64			35	01	63	J	4800881	
	4800954			TERM NOISE SOURCE	U	JPL	MR64			35	01	63	J	4800881	
	4800955			WAVEGUIDE SUBASSY 1	U	JPL	MR64			35	01	63	J	4800881	
	4800956			WAVEGUIDE SUBASSY 2	U	JPL	MR64			35	01	63	J	4800881	

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REV	DRAWING NO.	PART NO.	REV	TITLE	C/A	DATE	PERM CODE	RELEASE FOR MAJOR ITEM		RESP DIV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	S
								ORIGINAL	THRU SER.		NO.	TH.			
	4800957			BEND H-PLANE	U	JPL	MR64			35	01	63	J	4800881	
	4800958			BEND E-PLANE	U	JPL	MR64			35	01	63	J	4800881	
	4800959			V-BLOCK ASSY	U	JPL	MR64			35	01	63	J	4800881	
	4800960			BRKT COUPLER NO 1	U	JPL	MR64			35	01	63	J	4800881	
	4800961			BRACKET COUPLER 2	U	JPL	MR64			35	01	63	J	4800881	
	4800962			BRACKET SUPPORT	U	JPL	MR64			35	01	63	J	4800881	
	4800963			BOSS MOBILE	U	JPL	MR64			35	01	63	J	4800881	
	4800968			BUSHING PIN STOP	U	JPL	MR64			35	01	63	J	4800881	
	4800969			BRKY CONN MOUNTING	U	JPL	MR64			35	01	63	J	4800881	
	4800976			SHIELD CHASSIS ASSY	U	JPL	MR64			35	01	63	J	4800863	
	4800979			23A3 SWEEP AMP	U	JPL	MR64			35			O	4801041	
	4800985			23A1 SOLAR PLASMA EL	U	JPL	MR64			35			O	4801041	
	4800991			23A2 PROGRAMMER	U	JPL	MR64			35			O	4801041	
	4801004			OP SHIELD CHASSIS	U	JPL	MR64			35	01	63	J	4801041	
	4800931	A		SUBCHASS MACHINED	U	JPL	MR64			35	08	62	J	4800324	
	4800952			RING HARNESS INSTL	U	JPL	MR64			35	12	62	J	4800358	
	4800956			CAPLING TAST SPECIF	U	JPL	MR64			35	01	63	J	4800310	
	4800960	A		TROUGH SECTION ASSY	U	JPL	MR64			35	12	62	J	4800313	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800311	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800316	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800312	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800313	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800314	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800314	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800315	
	4800961	A		SHIM TROUGH HARNESS	U	JPL	MR64			35	12	62	J	4800318	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800318	
	4800961	A		HANGER TROUGH	U	JPL	MR64			35	12	62	J	4800318	
	4800961	A		TROUGH SECTION ASSY	U	JPL	MR64			35	12	62	J	4800318	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800315	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800313	
	4800961	A		TIE PLATE TROUGH	U	JPL	MR64			35	12	62	J	4800300	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800311	
	4800961	A		TROUGH SECT ASSY BAY6	U	JPL	MR64			35	12	62	J	4800306	
	4800961	A		TROUGH SECTION ASSY	U	JPL	MR64			35	12	62	J	4800305	
	4800961	A		TROUGH SECT ASSY BAY5	U	JPL	MR64			35	12	62	J	4800305	
	4800961	A		TROUGH SECTION ASSY	U	JPL	MR64			35	12	62	J	4800305	
	4800961	A		TROUGH SECTION	U	JPL	MR64			35	12	62	J	4800305	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800327	
	4800961	A		GUSSET TROUGH	U	JPL	MR64			35	12	62	J	4800313	

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SIZE	DRAWING NO.	BATH NO.	DATE	TITLE	CAGE	CUST	VENDOR CODE	RELEASE FOR MAJOR ITEM		RESP. DIV.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY
								SERIAL	THIRD SER.				
C	4900320	A		GUSSET TROUGH	U	JPL	MR64	35	12/52	J			4900312
C	4900321	A		CONNECTOR BRKT LEG A	U	JPL	MR64	35	12/52	J			4900328
C	4900322	A		GUSSET TROUGH	U	JPL	MR64	35	12/52	J			4900328
B	4900325			STUD PLATE	U	JPL	MR64	35	12/52	J			4900318
C	4900326			GUSSET TROUGH	U	JPL	MR64	35	01/53	J			4900312
C	4900329			CONNECTOR BRKT LEG E	U	JPL	MR64	35	01/53	J			4900510
C	4900555	A		BRKT DATA IS CONNECTOR	U	JPL	MR64	35	12/52	J			4901054
	4900518			CABLING INSTALLATION	U	JPL	MR64	35		O			
	4900511			9W1 RING HARN SIG	U	JPL	MR64	35		O			
	4900512			9W2 CASE HARN COMMUN	U	JPL	MR64	35	01/53	J			4900510
	4900513			9W3 CASE HARN COMMND	U	JPL	MR64	35		O			
	4900514			9W4 CASE HARN PWR SW	U	JPL	MR64	35		O			
	4900515			9W5 CASE HARN CCGS	U	JPL	MR64	35		O			
	4900516			9W6 CASE H DATA ENCD	U	JPL	MR64	35		O			
	4900517			9W7 CASE H ATT CONT	U	JPL	MR64	35		O			
	4900518			9W8 PYRO HARN MAIN	U	JPL	MR64	35		O			
	4900519			9W9 CASE H PWRGRVRO	U	JPL	MR64	35		O			
C	4900520			9W10 INCONN SUBASSY	U	JPL	MR64	35	01/53	J			4900501
	4900520			9W10 PYRO HARN MCPU	U	JPL	MR64	35	01/53	J			4900539
	4900521			9W11 INSTR HARN MCPU	U	JPL	MR64	35	01/53	J			4900539
C	4900521			9W11 INTERCONNECT	U	JPL	MR64	35	01/53	J			4900501
	4900522			9W12 CONT SYS MCPU	U	JPL	MR64	35	01/53	J			4900539
C	4900522			9W12 INTERCONNECT	U	JPL	MR64	35	01/53	J			4900501
	4900523			9W13 EART- SENSOR	U	JPL	MR64	35		O			
	4900524			9W14 MOTION SENS HAR	U	JPL	MR64	35		O			
	4900525			9W20 SCI CASE HARN	U	JPL	MR64	35		O			
	4900526			9W21 SCI SIG HARNESS	U	JPL	MR64	35		O			
	4900527			9W22 MAGNETOMTR HARN	U	JPL	MR64	35		O			
	4900528			9W23 SCI POWER HARN	U	JPL	MR64	35		O			
	4900529			9W24 SCI CASE HARN	U	JPL	MR64	35		O			
	4900530			9W30 RADIOMTR CASE	U	JPL	MR64	35		O			
	4900531			9W40 RING HARN PWR	U	JPL	MR64	35		O			
	4900532			RAD 9 GC SW-ELECT	U	JPL	MR64	35		O			
	4900533			RAD 9GC PREAMP-ELECT	U	JPL	MR64	35		O			
	4900534			RAD 9 GC DET-PREAMP	U	JPL	MR64	35		O			
	4900535			RAD 35 GC SW-ELECT	U	JPL	MR64	35		O			
	4900536			RAD 35GC PREAMP-ELEC	U	JPL	MR64	35		O			
	4900537			RAD 35GC DET-PREAMP	U	JPL	MR64	35		O			
	4900538			9W37 ATT CONT JET H	U	JPL	MR64	35		O			
U	4900540			SC CABLING	U	JPL	MR64	35		O			

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							SERIAL	THROW SER.					
C	3153106		A	SCREEN		U	JPL	MR64	38	11 62	J	3153116	
C	3153106		A	SCREEN		U	JPL	MR64	38	11 62	J	3153153	
C	3153106		A	SCREEN		U	JPL	MR64	38	11 62	J	3157762	
C	3153106		A	SCREEN		U	JPL	MR64	38	01 63	J	4700522	
C	3153106		A	SCREEN		U	JPL	MR64	38	11 62	J	4700556	
J	3153109			DOVE INJECTOR		U	JPL	MR64	38	07 62	J	3153155	
B	3153110			CLOSURE		U	JPL	MR64	38	07 62	J	3153155	
B	3153111			NO2 SPRAY PROP		U	JPL	MR64	38	07 62	J	3153155	
B	3153112			FLANGE OX		U	JPL	MR64	38	07 62	J	3153155	
C	3153116			TUBE OX WELD		U	JPL	MR64	38	07 62	J	3153155	
B	3153117			TUBE OX		U	JPL	MR64	38	07 62	J	3153116	
B	3153118			TUBE OX		U	JPL	MR64	38	07 62	J	3153116	
B	3153119			TUBE OX FLARED		U	JPL	MR64	38	07 62	J	3153118	
B	3153120			NO2 OX SPRAY		U	JPL	MR64	38	07 62	J	3153118	
B	3153126			ROD SUPPORT		U	JPL	MR64	38	07 62	J	4700556	
J	3153152			INJECTOR ASSY		U	JPL	MR64	38	12 62	J	4700555	
C	3153153			INJECTOR WLDMT		U	JPL	MR64	38	12 62	J	3153152	
C	3153154			INJECTOR COATED		U	JPL	MR64	38	12 62	J	3153153	
D	3153155			INJ 1ST WELD		U	JPL	MR64	38	12 62	J	3153154	
D	3153156			PROP TUBE		U	JPL	MR64	38	12 62	J	3153155	
C	3157119			SPIDER		U	JPL	MR64	38	09 60	J	4700332	
B	3157120			STUD		U	JPL	MR64	38	09 60	J	4700332	
D	3157206			SUPPORT CTL WELD		U	JPL	MR64	38	07 62	J	4700558	
D	3157207			FORWARD RING		U	JPL	MR64	38	07 62	J	3157206	
C	3157208			ROD SUPPORT		U	JPL	MR64	38	07 62	J	3157206	
D	3157209			ANGLE RING		U	JPL	MR64	38	07 62	J	3157206	
D	3157210			STRUCT CTL SUPPORT		U	JPL	MR64	38	07 62	J	4700541	
C	3157211			STRUT WELDMENT		U	JPL	MR64	38	07 62	J	3157210	
B	3157212			TUBE		U	JPL	MR64	38	07 62	J	3157211	
C	3157213			CLEVIS BLANK		U	JPL	MR64	38	07 62	J	3157211	
C	3157214			TONGUE BLANK		U	JPL	MR64	38	07 62	J	3157211	
H	3157215			PIN CLEVIS		U	JPL	MR64	38	07 62	J	4700541	
J	3157312			SCHEMATIC		U	JPL	MR64	38	01 63	J	4700500	
C	3157609		A	NEEDLE		U	JPL	MR64	38	10 62	J	4700510	
C	3157609		A	NEEDLE		U	JPL	MR64	38	10 62	J	4700519	
C	3157609		A	NEEDLE		U	JPL	MR64	38	10 62	J	4700529	
B	3157612			GASKET		U	JPL	MR64	38	07 62	J	4700565	
D	3157619			PRIMER ASSY		U	JPL	MR64	38	07 62	J	4700500	
C	3157651		A	GAUGE VISUAL		U	JPL	MR64	38	10 62	J	4700527	
C	3157660			WASHER		U	JPL	MR64	38	07 62	J	4700513	

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							SERIAL	THROW SER.					
C	3157663			PLUG		U	JPL	MR64	38	07 62	J	4700505	
B	3157702			SHIM		U	JPL	MR64	38	11 62	J	4700527	
C	3157709			BLADDER CLAMP		U	JPL	MR64	38	11 62	J	4700508	
C	3157712			BAFFLE		U	JPL	MR64	38	11 62	J	4700510	
C	3157713			MASK		U	JPL	MR64	38	11 62	J	4700510	
J	3157729		A	CARTRIDGE SHELL		U	JPL	MR64	38	12 62	J	4700531	
D	3157730		A	BELLOWS ASSY		U	JPL	MR64	38	01 63	J	4700531	
D	3157733			ACTUATOR ASSY		U	JPL	MR64	38	11 62	J	4700522	
D	3157734			SPRING INSTALL		U	JPL	MR64	38	11 62	J	4700522	
J	3157738		A	BODY		U	JPL	MR64	38	01 63	J	4700525	
C	3157739		A	TUBE OUTLET		U	JPL	MR64	38	01 63	J	4700525	
C	3157740			FLANGE OUTLET		U	JPL	MR64	38	11 62	J	4700525	
D	3157741			PROBE		U	JPL	MR64	38	11 62	J	3157733	
D	3157742			PUNGER		U	JPL	MR64	38	11 62	J	3157733	
C	3157746			DIAPHRAGM		U	JPL	MR64	38	11 62	J	3157733	
C	3157747			GUIDES OUTSIDE		U	JPL	MR64	38	11 62	J	3157734	
B	3157748			GUIDES INSIDE		U	JPL	MR64	38	11 62	J	3157734	
B	3157749			SPRING BELLVILLE		U	JPL	MR64	38	11 62	J	3157734	
C	3157750			SPRING		U	JPL	MR64	38	11 62	J	4700522	
C	3157751			RING BACKUP		U	JPL	MR64	38	11 62	J	3157733	
J	3157752			SHIM		U	JPL	MR64	38	11 62	J	4700513	
J	3157761			SCREEN ASSY		U	JPL	MR64	38	11 62	J	4700503	
C	3157762			SCREEN BRAZEMENT		U	JPL	MR64	38	11 62	J	3157761	
C	3157769			RING		U	JPL	MR64	38	11 62	J	3157762	
C	3157816			SHIELD THERMAL		U	JPL	MR64	38	07 61	J	4700500	
D	3157820			RING SERVO MOUNT		U	JPL	MR64	38	07 62	J	4700560	
B	3157821			INSULATOR SHEET		U	JPL	MR64	38	07 62	J	4700560	
B	3157823			SCREW SET		U	JPL	MR64	38	07 62	J	4700502	
C	3157825			SHIELD THERMAL		U	JPL	MR64	38	07 62	J	4700500	
J	4700315			BRACKET FUEL TANK		U	JPL	MR64	38	11 61	J	4700541	
C	4700322		A	SPIDER WELDMENT		U	JPL	MR64	38	01 63	J	4700513	
C	4700346			SHIELD THERMAL		U	JPL	MR64	38	02 62	J	4700500	
J	4700500			MCPU INSTALLATION		U	JPL	MR64	38		O		
J	4700501			CABLE INSTALLATION		U	JPL	MR64	38		O		
C	4700502			SERVO ASSY		U	JPL	MR64	38		O		
J	4700503			FUEL SYSTEM INST		U	JPL	MR64	38		O		
D	4700504			TUBE FUEL ASSY		U	JPL	MR64	38	01 63	J	4700503	
J	4700505			FUEL SYSTEM ASSEMBLY		U	JPL	MR64	38	01 63	J	4700503	
J	4700506			FUEL TANK ASSY		U	JPL	MR64	38		O		
J	4700507			FUEL TANK SHELL		U	JPL	MR64	38	12 62	J	4700506	

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							SERIAL	THRU		DATE	THRU			
J	4700508		BLADDER ASSY		U	JPL	MR64		38		0		4700506	
J	4700509		BLADDER FUEL TANK		U	JPL	MR64		38	12	62	J	4700508	
J	4700510		MANIFOLD FUEL ASSY		U	JPL	MR64		38	01	63	J	4700508	
J	4700511		FUEL MANIFOLD BODY		U	JPL	MR64		38	12	62	J	4700510	
C	4700512		PRESS TROCR		U	JPL	MR64		38		0		4700510	
J	4700513		GN2 SYSTEM ASSY		U	JPL	MR64		38		0		4700503	
J	4700515		TANK N2 ASSY		U	JPL	MR64		38	01	63	J	4700513	
J	4700515		TANK NITROGEN ASSY		U	JPL	MR64		38	01	63	J	4700515	
D	4700516		TANK SHELL GN2		U	JPL	MR64		38	12	62	J	4700515	
J	4700517		MANIFOLD BODY		U	JPL	MR64		38	12	62	J	4700515	
D	4700518		VALVE BODY GN2		U	JPL	MR64		38	12	62	J	4700563	
C	4700519		VALVE ASSY FILL		U	JPL	MR64		38		0		4700563	
C	4700520		O-ROCKETS OXID CARTRDG		U	JPL	MR64		38	01	63	J	4700527	
C	4700521		CAP NEEDLE VALVE		U	JPL	MR64		38	01	63	J	4700555	
J	4700522		PRESSURE REG ASSY		U	JPL	MR64		38	01	63	J	4700513	
D	4700523		HOUSING PRESS REG		U	JPL	MR64		38	01	63	J	4700522	
D	4700524		CAP PRESSURE REG		U	JPL	MR64		38	01	63	J	4700522	
D	4700525		BODY WELDMENT		U	JPL	MR64		38	01	63	J	4700522	
J	4700527		START SYS INST		U	JPL	MR64		38		0		4700513	
J	4700528		START SYSTEM ASSY		U	JPL	MR64		38	01	63	J	4700527	
D	4700529		CARTRIDGE OX ASSY		U	JPL	MR64		38	12	62	J	4700528	
D	4700531		CART OX WELD		U	JPL	MR64		38	12	62	J	4700529	
J	4700532		VALVE OXIDIZER ASSY		U	JPL	MR64		38	01	63	J	4700528	
C	4700533		FITTING		U	JPL	MR64		38	12	62	J	4700532	
D	4700534		VALVE BODY ASSY		U	JPL	MR64		38	12	62	J	4700532	
C	4700535		NUT		U	JPL	MR64		38	12	62	J	4700532	
C	4700536		VALVE ASSY FILL		U	JPL	MR64		38		0		4700532	
D	4700537		VALVE BODY FILL		U	JPL	MR64		38	12	62	J	4700519	
D	4700537		VALVE BODY FILL		U	JPL	MR64		38	12	62	J	4700536	
C	4700538		PLANS INLET REG		U	JPL	MR64		38	01	63	J	4700522	
J	4700540		ENGINE INSTL		U	JPL	MR64		38		0		4700527	
J	4700541		STRUCTURE ASSY		U	JPL	MR64		38		0		4700540	
C	4700542		BRACKET ELEC		U	JPL	MR64		38	12	62	J	4700541	
J	4700543		P-ALC ASSY		U	JPL	MR64		38		0		4700541	
J	4700549		FUEL VALVE ASSEMBLY		U	JPL	MR64		38	12	62	J	4700505	
J	4700550		FUEL VALVE BODY		U	JPL	MR64		38	12	62	J	4700549	
C	4700551		ADAPTER TELEMETER		U	JPL	MR64		38	01	63	J	4700513	
J	4700552		ADAPTOR		U	JPL	MR64		38	12	62	J	4700527	
C	4700553		CLAMP		U	JPL	MR64		38	12	62	J	4700527	
D	4700554		ENGINE ROCKET		U	JPL	MR64		38		0		4700554	

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REV	DRAWING NO	REV NO	REV DATE	TITLE	EQU	CLASS	VENOR CODE	RELEASE FOR MAJOR ITEM		REV	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY
								SERIAL	THRU SER		NO.	TH		
D	4700555			ENGINE WELD	U	JPL	MR64			38			Q	4700554
C	4700556			NOZZLE WELDMENT	U	JPL	MR64			38	01	63	J	4700562
J	4700557			NOZZLE	U	JPL	MR64			38	01	63	J	4700556
D	4700558			SUPPORT CONT ASSY	U	JPL	MR64			38	01	63	J	4700541
C	4700558			SUPPORT CONTROL	U	JPL	MR64			38	01	63	J	4700543
C	4700559			TUBE INLET REGULATOR	U	JPL	MR64			38	01	63	J	4700522
D	4700560			CONTROL ASSY	U	JPL	MR64			38			Q	4700500
D	4700561			VANE	U	JPL	MR64			38			Q	4700502
D	4700562			SHELL WELDMENT	U	JPL	MR64			38	01	63	J	4700555
D	4700563			VALVE GN2 ASSY	U	JPL	MR64			38			Q	4700513
C	4700565			CAP NEEDLE VALVE	U	JPL	MR64			38	01	63	J	4700519
C	4700565			CAP NEEDLE VALVE	U	JPL	MR64			38	01	63	J	4700529
C	4700565			CAP NEEDLE VALVE	U	JPL	MR64			38	01	63	J	4700536
C	4700566			PLUG PRESSURE REG	U	JPL	MR64			38	01	63	J	4700522
C	4700567			SHELL	U	JPL	MR64			38	01	63	J	4700562
C	4700567			SHELL	U	JPL	MR64			38	01	63	J	4700568
C	4700568			SHELL COATED	U	JPL	MR64			38	01	63	J	4700562
C	4700568			SHELL COATED	U	JPL	MR64			38	01	63	J	4700562

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REV	DRAWING NO.	DSK NO.	C	TITLE	C	C	C	RELEASE FOR		REV	REV		DRAWING CONTROL STATUS	NEXT ASSEMBLY	S
								REPAIR	REWORK		NO.	TR			
D	4285			RADIOMTR 27A2 SCHEM	U	BEC	MR64	GSE	32				O		
	105297			LAB SET	U	JPL	MR64	GSE	34	09	62	J			
D	118570			SCHEMATIC SW SUBASSY	U	JPL	MR64	GSE	32	01	62	J		118840	
D	118835			SUBCHASSIS SW SUBASSY	U	JPL	MR64	GSE	32	01	62	J		118840	
D	118836			SUBCHASS CUR INJECT	U	JPL	MR64	GSE	32	01	62	J		118842	
D	118837			COVER CURRENT INJECT	U	JPL	MR64	GSE	32	01	62	J		118842	
C	118838			GASKET CUR INJECTION	U	JPL	MR64	GSE	32	01	62	J		118842	
C	118839			BRACKET SW SUBASSY	U	JPL	MR64	GSE	32	01	62	J		118840	
J	118840			SWITCH SUBASSY	U	JPL	MR64	GSE	32	01	62	J		118842	
J	118841			PROBE ASSY	U	JPL	MR64	GSE	32	01	62	J		118842	
J	118842			CURRENT INJECTION	U	JPL	MR64	GSE	32	01	62	J			
C	118843			RETAINER	U	JPL	MR64	GSE	32	01	62	J		118842	
J	119451			PLATES FEED THRU	U	JPL	MR64	GSE	35			O			
D	119452			PLATE FEED THRU MCM	U	JPL	MR64	GSE	35			O			
J	122696			PANEL LO FLAT CELL	U	JPL	MR64	GSE	34			O			
J	123130			SDT NUMERIC READOUT	U	JPL	MR64	GSE	32			O			
D	123131			NAMEPLATE MACHGENGRV	U	JPL	MR64	GSE	32			O			
D	123132			FRONT PANEL SDT	U	JPL	MR64	GSE	32			O			
D	123133			CONN WIRING DGM INPT	U	JPL	MR64	GSE	32			O			
D	123134			PANEL MACHGENGRAVING	U	JPL	MR64	GSE	32			O			
D	123136			FRONT PANEL SCHEM	U	JPL	MR64	GSE	32			O			
D	123137			FRONT PANEL CONN WIR	U	JPL	MR64	GSE	32			O			
D	123161			SDT INPUT/OUTPUT	U	JPL	MR64	GSE	32			O			
J	123162			DECK CLOCK RELAY	U	JPL	MR64	GSE	32			O			
C	123163			INSULATION STRIP	U	JPL	MR64	GSE	32			O			
D	123165			CHASSIS	U	JPL	MR64	GSE	32			O			
D	123167			SUB ASSY CLOCK RELAY	U	JPL	MR64	GSE	32			O			
D	123168			PANEL SIDE	U	JPL	MR64	GSE	32			O			
D	123169			PANEL SIDE	U	JPL	MR64	GSE	32			O			
J	123773			HOT BOX IR RAD FIXT	U	JPL	MR64	GSE	32			O			
J	123774			LAYOUT FIXTURE RAD	U	JPL	MR64	GSE	32			O			
D	123775			BLK BODY CONE IR RAD	U	JPL	MR64	GSE	32			O			
J	3261002		C	HANDLING FIXTURE	U	JPL	MR64	GSE	38	10	61	J			
D	8200000		B	TEST FIXTURE ASY	U	JPL	MR64	GSE	34	11	62	J			
D	8200000		M	BHOUSING LAMP	U	JPL	MR64	GSE	34	11	62	J			
C	8200001		A	LENS HOUSING ASY	U	JPL	MR64	GSE	34	02	62	J			

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REV	DRAWING NO.	DSK NO.	C	TITLE	C	C	C	RELEASE FOR		REV	REV		DRAWING CONTROL STATUS	NEXT ASSEMBLY	S
								REPAIR	REWORK		NO.	TR			
C	8200002		A	BARREL LONG RANGE	U	JPL	MR64	GSE	34	02	62	J			
C	8200003		A	LENS LONG RANGE	U	JPL	MR64	GSE	34	02	62	J			
C	8200004		A	DIFFUSION LENS	U	JPL	MR64	GSE	34	02	62	J			
B	8200006		A	APERTURE	U	JPL	MR64	GSE	34	02	62	J			
D	8200008		B	SUPPORT FIXTURE	U	JPL	MR64	GSE	34	11	62	J			
C	8200009		A	SEAL LIGHT FIXTURE	U	JPL	MR64	GSE	34	02	62	J			
C	8200010		B	SEAL LIGHT LAMP	U	JPL	MR64	GSE	34	11	62	J			
J	8200020		A	PANEL	U	JPL	MR64	GSE	35	01	63	J		8200502	
B	8200022		A	PLATE FUNCTION	U	JPL	MR64	GSE	35	01	63	J		8200502	
B	8200023		A	PLATE FUNCTION	U	JPL	MR64	GSE	35	01	63	J		8200502	
B	8200024		A	PLATE FUNCTION	U	JPL	MR64	GSE	35	02	62	J		8200518	
B	8200025		A	PLATE FUNCTION	U	JPL	MR64	GSE	35	01	63	J		8200502	
B	8200026		A	PLATE FUNCTION	U	JPL	MR64	GSE	35	01	63	J		8200502	
C	8200028		A	BRACKET	U	JPL	MR64	GSE	35	01	63	J		8200502	
B	8200031		A	SUPPORT	U	JPL	MR64	GSE	35	01	63	J		8200502	
C	8200032		A	RETAINER	U	JPL	MR64	GSE	35	01	63	J		8200502	
B	8200033		A	SUPPORT SWITCH	U	JPL	MR64	GSE	35	01	63	J		8200502	
B	8200034		A	RESISTOR ASSEMBLY	U	JPL	MR64	GSE	35	01	63	J		8200502	
J	8200037		A	JUNCTION PANEL	U	JPL	MR64	GSE	35	01	63	J		8200518	
J	8200067		A	CONNECTOR INTERFACE	U	JPL	MR64	GSE	35	01	63	J		8200518	
C	8200082		A	RETAINER LAMP	U	JPL	MR64	GSE	34	02	62	J			
D	8200083		A	PLATE INSTRUMENT	U	JPL	MR64	GSE	34	11	62	J			
B	8200100		A	ANGLE SHELF SUPPORT	U	JPL	MR64	GSE	35	01	63	J		8200518	
C	8200101		A	DRAWER SHELF	U	JPL	MR64	GSE	35	01	63	J		8200518	
D	8200102		B	SUPPORT	U	JPL	MR64	GSE	35	01	63	J		8200518	
D	8200112		A	PCA RESET MONITOR	U	JPL	MR64	GSE	35	01	63	J		8200518	
J	8200197		A	PAD SHIPPING CASE	U	JPL	MR64	GSE	34	09	62	J		8200199	
J	8200198		A	COVER SHIPPING CASE	U	JPL	MR64	GSE	34	09	62	J		8200199	
J	8200199		A	SHIPPING CASE A/C	U	JPL	MR64	GSE	34	09	62	J			
J	8200209		A	BOOSTER NITROGEN	U	JPL	MR64	GSE	34	11	62	J			
J	8200215		A	TOOL TUBE CUTTER ASY	U	JPL	MR64	GSE	34	09	62	J		8200215	
J	8200216		A	KIT TUBE CUTTER ASY	U	JPL	MR64	GSE	34	09	62	J			
D	8200426		A	MONITOR PNL SCHEM	U	JPL	MR64	GSE	34			O			
D	8200427		A	HINGE FOLLOW-UP	U	JPL	MR64	GSE	34			O			
C	8200428		A	METER BUFFER SCHEM	U	JPL	MR64	GSE	34			O			
D	8200429		A	COMMAND PNL SCHEM	U	JPL	MR64	GSE	34			O			
C	8200430		A	SENSOR PNL SCHEMATIC	U	JPL	MR64	GSE	34			O			
C	8200431		A	JUNCTION BOX ELEC	U	JPL	MR64	GSE	34			O			
D	8200432		A	ACTUATOR DRAWR SCHEM	U	JPL	MR64	GSE	34			O			
C	8200433		A	SCHEM PLUS 28VDC	U	JPL	MR64	GSE	34			O			

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							REVISION	DATE		NO.	BY			
J	8200500		MOCK UP FORM A/C PIP		U	JPL	MR64	GSE	38	11	62	J		
J	8200501		A WIRING DIAGRAM		U	JPL	MR64	GSE	35	01	63	J	8200502	
J	8200502		PYROTECHNIC MON A		U	JPL	MR64	GSE	35	01	63	J	8200518	
J	8200503		PYROTECHNIC MON B		U	JPL	MR64	GSE	35	01	63	J	8200518	
J	8200504		CHASSIS		U	JPL	MR64	GSE	35	01	63	J	8200502	
D	8200514		CIRCUIT BD 1 ASSY		U	JPL	MR64	GSE	35	01	63	J	8200502	
J	8200516		CIRCUIT BOARD ASSY		U	JPL	MR64	GSE	35	01	63	J	8200502	
A	8200516	PL	COMPONENT PARTS LIST		U	JPL	MR64	GSE	35	01	63	J	8200516	
J	8200518		PYRO MONITOR CONSOLE		U	JPL	MR64	GSE	35			O		
J	8200519		PRINTED CIRCUITRY		U	JPL	MR64	GSE	35			O	8200516	
D	8200520		SCHEMATIC DIAGRAM		U	JPL	MR64	GSE	35	01	63	J	8200516	
D	8500246		FRONT PLATE ISOLATN		U	JPL	MR64	GSE	32			O		
J	8700005		C FIXTURE HANDLE MCPU		U	JPL	MR64	GSE	38	11	61	J		
J	8700031		FUEL TILL ASSY		U	JPL	MR64	GSE	34	10	61	J	3261002	
J	8700034		A TEST FIXTURE REGULTR		U	JPL	MR64	GSE	34	02	62	J		
J	8700041		FUEL TANK LEAK TEST		U	JPL	MR64	GSE	34	05	62	J		
D	8700042		TEST FLANGE		U	JPL	MR64	GSE	34	06	62	J		
D	8700043		WRENCH ASSY		U	JPL	MR64	GSE	34	06	62	J		
J	8700044		DIAPHRAGM LEAK TEST		U	JPL	MR64	GSE	38	08	62	J		
D	8700076		CORE PATTERN CURING		U	JPL	MR64	GSE	38			O		
C	8700077		BLADDER TEST MANIFLD		U	JPL	MR64	GSE	38			O		
J	8700078		HANDLING FIXTURE		U	JPL	MR64	GSE	38			O		
A	8800207	PL	CB1 RELAY DRIVER		U	JPL	MR64	GSE	32	01	63	J	8800207	
J	8800224		ANALOG6TR VOLT SW		U	JPL	MR64	GSE	32			O	8800223	
J	8800225		A6TRVS UNIT SCHEM		U	JPL	MR64	GSE	32			O	8800224	
J	8800226		FRONT PANEL ASSY		U	JPL	MR64	GSE	32			O	8800224	
J	8800227		FRONT PANEL MACH		U	JPL	MR64	GSE	32			O	8800226	
J	8800228		REAR PANEL A6TRVS		U	JPL	MR64	GSE	32			O	8800224	
D	8800229		DECK A6TRVS		U	JPL	MR64	GSE	32			O	8800224	
D	8800230		SIDE PANEL ANALOG		U	JPL	MR64	GSE	32			O	8800224	
D	8800231		CB1 ASSY A6TRVS UNIT		U	JPL	MR64	GSE	32			O	8800234	
D	8800232		TB1 CB1 A6TRVS		U	JPL	MR64	GSE	32			O	8800231	
D	8800236		POWER PANEL ASSY		U	JPL	MR64	GSE	32			O	8800222	
D	8800237		PANEL ASSY SCOPE		U	JPL	MR64	GSE	32			O	8800222	
D	8800238		PANEL SCOPE PATCH		U	JPL	MR64	GSE	32			O	8800237	
B	8800239		SPACER SCOPE PATCH		U	JPL	MR64	GSE	32			O	8800237	
B	8800240		WIRE LIST ISOLAT BOX		U	JPL	MR64	GSE	32			O	8800240	
J	8800241		ISOLATION BOX SCHEM		U	JPL	MR64	GSE	32			O	8800240	
J	8800242		CB1 ISOLATION BOX		U	JPL	MR64	GSE	32			O	8800240	
A	8800242	PL	CB1 ASSY		U	JPL	MR64	GSE	32			O	8800242	

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							SERIAL	FORM NO.		NO.	TO			
J	8800243		CB1 PC		U	JPL	MR64	GSE	32			O		
D	8800244		CB2 ISOLATION BOX		U	JPL	MR64	GSE	32			O	8800240	
A	8800244	PL	CB2 ISOLATION BOX		U	JPL	MR64	GSE	32			O	8800244	
D	8800245		TB2 CB2 ISOLATION BX		U	JPL	MR64	GSE	32			O	8800244	
D	8800246		PLATE FRONT ISOLATN		U	JPL	MR64	GSE	32			O	8800240	
D	8800247		PLATE REAR ISOLATION		U	JPL	MR64	GSE	32			O	8800240	
D	8800248		PLATE LEFT SIDE MACH		U	JPL	MR64	GSE	32			O	8800240	
D	8800249		PLATE RIGHT SIDE		U	JPL	MR64	GSE	32			O	8800240	
D	8800250		TOP ISOLATION BOX		U	JPL	MR64	GSE	32			O	8800240	
D	8800251		BOTTOM ISOLATION BOX		U	JPL	MR64	GSE	32			O	8800240	
D	8800254		MACHENGRAVING PWR		U	JPL	MR64	GSE	32			O	8800255	
C	8800255		BRACKET		U	JPL	MR64	GSE	32			O	8800236	
C	8800256		WIRING POWER PANEL		U	JPL	MR64	GSE	32			O	8800222	
D	8800257		BRACKET LIGHT HOLDER		U	JPL	MR64	GSE	32			O	8800258	
D	8800258		INDICATOR LIGHT ASSY		U	JPL	MR64	GSE	32			O		
J	8800260		PC INDICATOR LIGHT		U	JPL	MR64	GSE	32			O	8800259	
J	8800261		CB1 ASSY RELAY		U	JPL	MR64	GSE	32	01	63	J	8800264	
A	8800261	PL	CB1 ASSY RELAY DRIVE		U	JPL	MR64	GSE	32	01	63	J	8800261	
D	8800262		CB1 RELAY DR SCHEM		U	JPL	MR64	GSE	32	01	63	J	8800261	
J	8800263		CB1 PC RELAY DRIVE		U	JPL	MR64	GSE	32	01	63	J	8800261	
J	8800266		CB1 TELETYPE CONVERS		U	JPL	MR64	GSE	32			O	8800265	
J	8800267		CB1 PC TELETYPE CONV		U	JPL	MR64	GSE	32			O	8800266	
J	8800269		CLOCK DISPLAY UNIT		U	JPL	MR64	GSE	32			O	8800222	
J	8800270		FRONT PANEL CLOCK		U	JPL	MR64	GSE	32			O	8800269	
J	8800271		CLOCK DTSPLAY WIRING		U	JPL	MR64	GSE	32			O	8800269	
J	8800272		PANEL MACH6ENGRAVING		U	JPL	MR64	GSE	32			O	8800270	
D	8800273		REAR PANEL CLOCK		U	JPL	MR64	GSE	32			O	8800269	
J	8800278		MAGNETOMETER ASSY		U	JPL	MR64	GSE	32			O	8800223	
J	8800279		M6SP SCHEMATIC		U	JPL	MR64	GSE	32			O	8800270	
D	8800280		FRONT PANEL ASY		U	JPL	MR64	GSE	32			O	8800280	
J	8800281		FRONT PANEL MACH		U	JPL	MR64	GSE	32			O	8800278	
D	8800283		REAR PANEL M6SPM		U	JPL	MR64	GSE	32			O	8800278	
D	8800284		CB1 M6SPM		U	JPL	MR64	GSE	32			O	8800284	
D	8800285		TB1 M6SPM		U	JPL	MR64	GSE	32			O	8800278	
J	8800287		MOUNTING BRKT CONN		U	JPL	MR64	GSE	32			O		
J	8800288		CHASS MAGNETOMETER		U	JPL	MR64	GSE	32			O		
J	8800291		CARD FILE ASSY		U	JPL	MR64	GSE	32			O	8800278	
D	8800292		CABLE DIAGRAM		U	JPL	MR64	GSE	32			O		
J	8800311		CBINDICATOR LIGHT		U	JPL	MR64	GSE	34			O	8800258	
J	8800312		DAS INPUT&PWR SW		U	JPL	MR64	GSE	32			O	8800221	

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REV	DRAWING NO.	PART NO.	CMT.	TITLE	CMT.	CLASS.	RECORD CODE	RELEASE FOR MAINT ITEM		REQ. NO.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								SERIAL	SHIP DATE		MO.	YR.			
J	8800313			ELECTROMETER LO PNL		U	JPL	MR64	GSE	32		0			
J	8800314			GSE SCHEDULE		U	JPL	MR64	GSE	32		0			
J	8800315			PANEL SIDE		U	JPL	MR64	GSE	32		0			
J	8800316			CHASS RELAY CLOCK		U	JPL	MR64	GSE	32		0			
C	8900633			CABLE ASSY 3W412		U	JPL	MR64	GSE	35	02	63	J	8900469	
C	8900634			CABLE ASSY 3W413		U	JPL	MR64	GSE	35	02	63	J	8900469	
C	8900635			CABLE ASSY 3W414		U	JPL	MR64	GSE	35	02	63	J	8900469	
C	8900636			CABLE ASSY 3W415		U	JPL	MR64	GSE	35	02	63	J	8900469	
B	8900637			CABLE ASSY 3W416		U	JPL	MR64	GSE	35	02	63	J	8900469	
C	8900638			CABLE ASSY 3W417		U	JPL	MR64	GSE	35	02	63	J	8900469	
D	8900639			CABLE ASSY 3W418		U	JPL	MR64	GSE	35	02	63	J	8900469	
D	8900640			CABLE ASSY 3W419		U	JPL	MR64	GSE	35	02	63	J	8900469	
C	8900641			CABLE ASSY 3W420		U	JPL	MR64	GSE	35	02	63	J	8900469	
C	8900702			CABLE 2W322		U	JPL	MR64	GSE	35	02	63	J	8900701	
C	8900703			CABLE 2W324		U	JPL	MR64	GSE	35			J	8900701	
D	8900455	A		CONSOLE CABLE #4		U	JPL	MR64	GSE	35	01	63	J	8200518	
D	8900456	A		CONSOLE CABLE #1		U	JPL	MR64	GSE	35	01	63	J	8200518	
D	8900457	A		CONSOLE CABLE #3		U	JPL	MR64	GSE	35	01	63	J	8200518	
D	8900458	A		CONSOLE CABLE #6		U	JPL	MR64	GSE	35	01	63	J	8200518	
D	8900459	B		CONSOLE CABLE #2		U	JPL	MR64	GSE	35	01	63	J	8200518	
B	8900460	A		CONSOLE CABLE #7		U	JPL	MR64	GSE	35	01	63	J	8200518	
C	8900461	B		CONSOLE CABLE #5		U	JPL	MR64	GSE	35	01	63	J	8200518	
C	8900462	B		CONSOLE CABLE #6		U	JPL	MR64	GSE	35	01	63	J	8200518	
C	8900463	A		CONSOLE CABLE #9		U	JPL	MR64	GSE	35	01	63	J	8200518	
J	8900593			PWR JUNCT BOX 4A3MR		U	JPL	MR64	GSE	35	02	63	J		
C	8901541			CONSOLE CABLE #11		U	JPL	MR64	GSE	35	01	63	J	8200518	
C	8901542			CONSOLE CABLE #10		U	JPL	MR64	GSE	35	01	63	J	8200518	
J	9132344			SHAKE FIXTURE		U	JPL	MR64	GSE	37			J		
J	9132780			COLD BOX-ELECTRONIC		U	JPL	MR64	GSE	37	08	61	J		
D	9132874			BATTERY TEMP CONT BOX		U	JPL	MR64	GSE	37	10	61	J		
J															

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REV	DRAWING NO.	BATH NO.	CMT.	TITLE	CMT.	ISSUED CODE	RELEASE FOR MAJOR ITEM		REV.	RELEASE DATE		DRAWING STATUS	NEXT ASSEMBLY	#
							SERIAL	TYPE REV.		NO.	YY			
A	8200168	PL		CB1 TYPE A BUFFER		U	STL	MR64	GSE	34		0	8200168	
J	8200169			PC 31 TYPE A BUFFER		U	STL	MR64	GSE	34		0	8200168	
J	8200170		B	SCHEMATIC		U	STL	MR64	GSE	34		0	8200171	
J	8200171			CB 32 TYPE INVERTER		U	STL	MR64	GSE	34	02	63	C	8200161
A	8200171	PL		CB#2 TYPE A INVERTER		U	STL	MR64	GSE	34		0	8200171	
J	8200172			PC 32		U	STL	MR64	GSE	34		0	8200171	
D	8200173			SCHEMATIC		U	STL	MR64	GSE	34		0	8200161	
D	8200173			SCHEMATIC		U	STL	MR64	GSE	34		0	8200174	
J	8200174		B	CB 33 TYPE A & GATE		U	STL	MR64	GSE	34	02	63	C	8200171
J	8200174			CB#3 TYPE A & GATE		U	STL	MR64	GSE	34		0	8200322	
A	8200174	PL		CB33 TYPE A & GATE		U	STL	MR64	GSE	34		0	8200174	
J	8200175		A	PC 33		U	STL	MR64	GSE	34	02	63	C	8200174
D	8200176			SCHEMATIC		U	STL	MR64	GSE	34		0	8200177	
J	8200177			CB#4 CLEAR COMMAND		U	STL	MR64	GSE	34		0	8200322	
A	8200177	PL		CB#4 CLEAR COMMAND		U	STL	MR64	GSE	34		0	8200177	
J	8200177			PC#4		U	STL	MR64	GSE	34		0	8200177	
D	8200179			SCHEMATIC		U	STL	MR64	GSE	34		0	8200180	
J	8200180		B	CB35 TYPE A ONE SHOT		U	STL	MR64	GSE	34	02	63	C	8200174
A	8200180	PL		CB35 TYPE A ONE SHOT		U	STL	MR64	GSE	34		0	8200180	
J	8200181			PC35		U	STL	MR64	GSE	34		0	8200180	
D	8200182			SCHEMATIC		U	STL	MR64	GSE	34		0	8200183	
J	8200183		B	CB#6 CURRENT GEN		U	STL	MR64	GSE	34		0	8200322	
A	8200183	PL		CB#6 CURRENT GEN		U	STL	MR64	GSE	34		0	8200183	
J	8200184		A	PC#6		U	STL	MR64	GSE	34		0	8200183	
D	8200185			SCHEMATIC		U	STL	MR64	GSE	34		0	8200186	
J	8200186		C	CB37 TYPE A FLIP FLP		U	STL	MR64	GSE	34	02	63	C	8200174
A	8200186	PL		CB#7 TYPE A		U	STL	MR64	GSE	34		0	8200186	
A	8200186	PL		CB#7 TYPE A FLIP		U	STL	MR64	GSE	34		0	8200186	
J	8200187			PC37		U	STL	MR6	GSE	3		0	8200186	
D	8200188			SCHEMATIC		U	STL	MR64	GSE	34		0	8200189	
J	8200189		B	CB#8 INTERFACE		U	STL	MR64	GSE	34		0	8200322	
A	8200189	PL		CB#8 INTERFACE		U	STL	MR64	GSE	34		0	8200189	
D	8200217			SCHEMATIC #1		U	STL	MR64	GSE	34		0	8200218	
J	8200218		A	CB#1 LOGIC		U	STL	MR64	GSE	34		0	8200295	
A	8200218	PL		CB#1 LOGIC		U	STL	MR64	GSE	34		0	8200218	
J	8200219			PC#1		U	STL	MR64	GSE	34		0	8200218	
D	8200220			SCHEMATIC		U								

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**DRAWING LIST**

REV	DRAWING NO.	ISS. NO.	REV. NO.	TITLE	DES.	CHK.	REVISION	RELEASE FOR HANDLING		RESP. NO.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV.
								SERIAL	THRU SER.		MO.	YR.			
D	8200223			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200224	
A	8200224	PL		CB#3	U	STL	MR64	GSE	34				0	8200224	
J	8200224			CB#3	U	STL	MR64	GSE	34				0	8200295	
4	8200225			PC#3	U	STL	MR64	GSE	34				0	8200224	
D	8200226			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200227	
J	8200227			CB#4	U	STL	MR64	GSE	34				0	8200295	
A	8200227	PL		CB#4	U	STL	MR64	GSE	34				0	8200227	
J	8200228			PC#4	U	STL	MR64	GSE	34				0	8200227	
D	8200229			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200230	
J	8200230			CB#5	U	STL	MR64	GSE	34				0	8200295	
A	8200230	PL		CB#5	U	STL	MR64	GSE	34				0	8200230	
J	8200231			PC#5	U	STL	MR64	GSE	34				0	8200230	
D	8200232			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200233	
J	8200233			CB#6	U	STL	MR64	GSE	34				0	8200295	
A	8200233	PL		CB#6	U	STL	MR64	GSE	34				0	8200233	
J	8200234			PC#6	U	STL	MR64	GSE	34				0	8200233	
D	8200235			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200236	
J	8200236			CB#7	U	STL	MR64	GSE	34				0	8200295	
A	8200236	PL		CB#7	U	STL	MR64	GSE	34				0	8200236	
J	8200237			PC#7	U	STL	MR64	GSE	34				0	8200236	
D	8200238			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200239	
J	8200239			CB#8	U	STL	MR64	GSE	34				0	8200295	
A	8200239	PL		CB#8	U	STL	MR64	GSE	34				0	8200239	
J	8200240			PC#8	U	STL	MR64	GSE	34				0	8200239	
D	8200241			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200242	
J	8200242			CB#9	U	STL	MR64	GSE	34				0	8200295	
A	8200242	PL		CB#9	U	STL	MR64	GSE	34				0	8200242	
J	8200243			PC#9	U	STL	MR64	GSE	34				0	8200242	
D	8200244			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200245	
J	8200245			CB#10	U	STL	MR64	GSE	34				0	8200295	
J	8200246			PC#10	U	STL	MR64	GSE	34				0	8200245	
D	8200247			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200248	
J	8200248			CB#11	U	STL	MR64	GSE	34				0	8200295	
A	8200248	PL		CB#11	U	STL	MR64	GSE	34				0	8200248	
J	8200249			PC#11	U	STL	MR64	GSE	34				0	8200248	
D	8200250			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200251	
J	8200251			CB#12	U	STL	MR64	GSE	34				0	8200295	
A	8200251	PL		CB#12	U	STL	MR64	GSE	34				0	8200251	
J	8200252			PC#12	U	STL	MR64	GSE	34				0	8200251	
D	8200253			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200254	

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**DRAWING LIST**

REV	DRAWING NO.	ISS. NO.	REV. NO.	TITLE	DES.	CHK.	REVISION	RELEASE FOR HANDLING		RESP. NO.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV.
								SERIAL	THRU SER.		MO.	YR.			
J	8200254			CB#13	U	STL	MR64	GSE	34				0	8200295	
D	8200256			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200257	
J	8200257			CB#14	U	STL	MR64	GSE	34				0	8200295	
J	8200258			PC#14	U	STL	MR64	GSE	34				0	8200257	
D	8200259			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200260	
J	8200260			CB#15	U	STL	MR64	GSE	34				0	8200295	
D	8200262			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200263	
J	8200263			CB#16	U	STL	MR64	GSE	34				0	8200295	
A	8200263	PL		CB#16	U	STL	MR64	GSE	34				0	8200263	
J	8200264			PC#16	U	STL	MR64	GSE	34				0	8200263	
J	8200265			2.4 KC OSCILLATOR	U	STL	MR64	GSE	34				0	8200324	
J	8200266			CABLE DIA CC&S LOGIC	U	STL	MR64	GSE	34				0	8200295	
D	8200267			FAN PLATE	U	STL	MR64	GSE	34				0	8200268	
D	8200268			FAN PLATE	U	STL	MR64	GSE	34				0	8200321	
D	8200269			BRACKET	U	STL	MR64	GSE	34				0	8200314	
D	8200270			BRACKET	U	STL	MR64	GSE	34				0	8200314	
D	8200271			GUSSET	U	STL	MR64	GSE	34				0	8200314	
D	8200273			CHANNEL BRACKET	U	STL	MR64	GSE	34				0	8200314	
C	8200274			FB#2	U	STL	MR64	GSE	34				0	8200313	
J	8200275			REAR PANEL	U	STL	MR64	GSE	34				0	8200314	
D	8200276			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200277	
J	8200277			CB#9 DRIVER INFACE	U	STL	MR64	GSE	34				0	8200174	
A	8200277			CB#9 DRIVER INFACE	U	STL	MR64	GSE	34				0	8200277	
J	8200278			PC #9	U	STL	MR64	GSE	34				0	8200277	
D	8200279			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200280	
J	8200280			CB#10 INFACE	U	STL	MR64	GSE	34				0	8200174	
A	8200280	PL		CB#10 INTERFACE	U	STL	MR64	GSE	34				0	8200280	
J	8200281			PC #10	U	STL	MR64	GSE	34				0	8200280	
D	8200282			A SCHEMATIC	U	STL	MR64	GSE	34				0	8200283	
J	8200283			CB#11 SYSTEM RELAY	U	STL	MR64	GSE	34				0	8200174	
J	8200284			PC#11	U	STL	MR64	GSE	34				0	8200283	
J	8200285			FRONT PANEL MACH	U	STL	MR64	GSE	34				0	8200368	
J	8200286			C BLOCKHOUSE LOGIC	U	STL	MR64	GSE	34				0	8200322	
J	8200287			FRONT PANEL MACH	U	STL	MR64	GSE	34				0	8200314	
D	8200288			A SCHEMATIC DIAG	U	STL	MR64	GSE	34				0	8200299	
D	8200289			HEAT SINK BRACKET	U	STL	MR64	GSE	34				0	8200299	
D	8200290			FRONT PANEL WIRING	U	STL	MR64	GSE	34				0	8200349	
J	8200291			FRONT PANEL MACH	U	STL	MR64	GSE	34				0	8200349	
J	8200292			A BLOCKHOUSE CHAS WIRE	U	STL	MR64	GSE	34				0	8200322	
J	8200293			BLOCKHOUSE CARD FILE	U	STL	MR64	GSE	34				0	8200322	

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REV	DRAWING NO.	DATE	BY	TITLE	REV	CODE	REMARKS FOR MAJOR ITEM	REPL. DIV.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY		
							SERIAL	THRU	NO.	TP			
D	8200294			BLOCKHOUSE FRONT PNL	U	STL	MR64	GSE	34				
J	8200295			LOGIC ASSY	U	STL	MR64	GSE	34			8200321	
J	8200296			FRONT PANEL MACH	U	STL	MR64	GSE	34			8200356	
J	8200297			REAR PANEL MACH	U	STL	MR64	GSE	34			8200321	
J	8200298			MANUEL COMM BLOCK DG	U	STL	MR64	GSE	34			8200161	
J	8200298		C	MANUAL COMMANDS DGM	U	STL	MR64	GSE	34				
D	8200299			HEAT SINK ASSY GEN	U	STL	MR64	GSE	34			8200322	
J	8200301		A	SYSTEMS CHASS WIRING	U	STL	MR64	GSE	34			8200161	
J	8200302		C	SYSTEMS CARD FILE #1	U	STL	MR64	GSE	34			8200161	
D	8200303		A	CABLE ASSY SYS LOGIC	U	STL	MR64	GSE	34			8200321	
D	8200304			SCHEMATIC	U	STL	MR64	GSE	34			8200305	
J	8200305		A	CB#12 TYPE A & GATE	U	STL	MR64	GSE	34			8200174	
J	8200306			PC#12	U	STL	MR64	GSE	34			8200305	
C	8200307			ADAPTER BRACKET	U	STL	MR64	GSE	34			8200322	
J	8200308			BLOCKHOUSE CHASS WIR	U	STL	MR64	GSE	34				
J	8200309		A	FRONT PANEL WIRING	U	STL	MR64	GSE	34			8200368	
D	8200310			FRONT PANEL MACH	U	STL	MR64	GSE	34			8200324	
D	8200311			FRAME	U	STL	MR64	GSE	34			8200314	
D	8200312			CB#2	U	STL	MR64	GSE	34			8200323	
J	8200314			CHASSIS ASSY	U	STL	MR64	GSE	34			8200323	
J	8200321			GROUND SUPPORT CC65	U	STL	MR64	GSE	34				
J	8200322			BLOCKHOUSE ASSY	U	STL	MR64	GSE	34			8200161	
J	8200323			BLOCKHOUSE PWR SUP	U	STL	MR64	GSE	34			8200321	
J	8200324			SYSTEMS POWER SUP	U	STL	MR64	GSE	34			8200321	
D	8200325		A	SCHEMATIC	U	STL	MR64	GSE	34			8200326	
J	8200326		A	CB#13 TIMING & MIDCS	U	STL	MR64	GSE	34			8200174	
A	8200326	PL		CB#13 TIMING	U	STL	MR64	GSE	34			8200326	
J	8200327			PC#13	U	STL	MR64	GSE	34			8200326	
D	8200328			SCHEMATIC	U	STL	MR64	GSE	34			8200329	
J	8200329		B	CB#14 TIMING&MCPU#2	U	STL	MR64	GSE	34			8200174	
A	8200329	PL		CB#14 TIMING&MCPU #2	U	STL	MR64	GSE	34			8200329	
J	8200330			PC#14	U	STL	MR64	GSE	34			8200329	
J	8200331			AGENA SEPARATION	U	STL	MR64	GSE	34			8200161	
J	8200332			SYSTEMS TIMING CONT	U	STL	MR64	GSE	34			8200161	
J	8200333			SYSTEMS CARD FILE #2	U	STL	MR64	GSE	34			8200161	
D	8200334			CABLE ASSY VAC RACK	U	STL	MR64	GSE	34			8200321	
J	8200335			CONSOLE CABLE ASSY	U	STL	MR64	GSE	34			8200321	
J	8200336			DIRECT ACCESS CBL #1	U	STL	MR64	GSE	34			8200321	
D	8200337			DIRECT ACCESS CBL #2	U	STL	MR64	GSE	34			8200321	
D	8200338			DIRECT ACCESS SIGNAL	U	STL	MR64	GSE	34			8200343	

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DRAWING LIST												DATE LISTED	
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REV	DRAWING NO.	DATE	BY	TITLE	REV	CODE	REMARKS FOR MAJOR ITEM	REPL. DIV.	RELEASE DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY		
							SERIAL	THRU	NO.	TP			
D	8200339		A	SCHEMATIC	U	STL	MR64	GSE	34			8200340	
J	8200340		A	CB#15 DIRECT ACCESS	U	STL	MR64	GSE	34			8200343	
A	8200340	PL		CB#15 DIRECT ACCESS	U	STL	MR64	GSE	34			8200340	
J	8200341		B	PC#15	U	STL	MR64	GSE	34			8200340	
D	8200342			WIRING BLOCKHOUSE	U	STL	MR64	GSE	34			8200323	
J	8200343			DIRECT ACCESS ASSY	U	STL	MR64	GSE	34			8200321	
J	8200344			SCHEMATIC	U	STL	MR64	GSE	34				
J	8200345			RACK HARNESS	U	STL	MR64	GSE	34			8200321	
J	8200346			SCHEMATIC	U	STL	MR64	GSE	34			8200324	
J	8200347			CARD RACK ASSY	U	STL	MR64	GSE	34			8200161	
J	8200347			CARD FILE ASSY	U	STL	MR64	GSE	34			8200322	
J	8200347			CARD RACK ASSY	U	STL	MR64	GSE	34			8200295	
J	8200348			LOGIC SCHEMATIC	U	STL	MR64	GSE	34			8200295	
J	8200349			FRONT PANEL ASSY	U	STL	MR64	GSE	34			8200322	
D	8200350			REAR PANEL ASSY	U	STL	MR64	GSE	34			8200322	
D	8200351			REAR PANEL MACH	U	STL	MR64	GSE	34			8200350	
J	8200352			CHASSIS ASSY	U	STL	MR64	GSE	34			8200322	
D	8200353			CHASSIS PLATE MACH	U	STL	MR64	GSE	34			8200352	
J	8200354			PANEL SIDE	U	STL	MR64	GSE	34			8200322	
C	8200355			TERMINAL STRIP	U	STL	MR64	GSE	34			8200322	
J	8200356			FRONT PANEL ASSY	U	STL	MR64	GSE	34			8200295	
J	8200357			REAR PANEL ASSY	U	STL	MR64	GSE	34			8200295	
J	8200358			REAR PANEL MACH	U	STL	MR64	GSE	34			8200357	
J	8200359			CHASSIS ASSY	U	STL	MR64	GSE	34			8200295	
D	8200360			CHASSIS MACHINING	U	STL	MR64	GSE	34			8200359	
J	8200361			PANEL SIDE	U	STL	MR64	GSE	34			8200295	
J	8200362			CHASS MACH&ENGRAVING	U	STL	MR64	GSE	34			8200161	
D	8200363			REAR PANEL ASSY	U	STL	MR64	GSE	34			8200161	
D	8200364			REAR PANEL MACH	U	STL	MR64	GSE	34			8200363	
D	8200365			BOTTOM PLATE	U	STL	MR64	GSE	34			8200161	
J	8200366			COVER PLATE PWR SUPL	U	STL	MR64	GSE	34			8200161	
C	8200367			SIDE PANEL	U	STL	MR64	GSE	34			8200161	
J	8200368			FRONT PANEL ASSY	U	STL	MR64	GSE	34			8200161	
D	8200369			POWER SUPPLY ASSY	U	STL	MR64	GSE	34			8200161	
J	8200370			SCHEMATIC	U	STL	MR64	GSE	34			8200373	
D	8200371			BLANK PANEL	U	STL	MR64	GSE	34			8200321	
J	8200372			PC#17	U	STL	MR64	GSE	34			8200373	
D	8200373			CB#17	U	STL	MR64	GSE	34			8200295	
A	8200373	PL		CB#17	U	STL	MR64	GSE	34			8200373	
J	8200374			BLOCKHOUSE CONFIG	U	STL	MR64	GSE	34				

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I. *Mariner R* 1964 Drawing List:  
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C	DRAWING NO.	DATE	REV	TITLE	C	UNIT	VENOR	RELEASE FOR		REPR.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY	C
								DESIGN	THRU D.P.		NO.	TO			
D	8800230			SIDE PANEL ANALOG	U	JPL	MR64	GSE	32			0		8800224	
D	8800231			CB1 ASSY A6TRVS UNIT	U	JPL	MR64	GSE	32			0		8800234	
D	8800232			TB1 CB1 A6TRVS	U	JPL	MR64	GSE	32			0		8800231	
D	8800236			POWER PANEL ASSY	U	JPL	MR64	GSE	32			0		8800222	
D	8800237			PANEL ASSY SCOPE	U	JPL	MR64	GSE	32			0		8800222	
D	8800238			PANEL SCOPE PATCH	U	JPL	MR64	GSE	32			0		8800237	
B	8800239			SPACER SCOPE PATCH	U	JPL	MR64	GSE	32			0		8800237	
B	8800240			WIRE LIST ISOLAT BOX	U	JPL	MR64	GSE	32			0		8800240	
J	8800241			ISOLATION BOX SCHEM	U	JPL	MR64	GSE	32			0		8800240	
J	8800242			CB1 ISOLATION BOX	U	JPL	MR64	GSE	32			0		8800240	
A	8800242	PL		CB1 ASSY	U	JPL	MR64	GSE	32			0		8800242	
D	8800243			CB1 PC	U	JPL	MR64	GSE	32			0			
D	8800244			CB2 ISOLATION BOX	U	JPL	MR64	GSE	32			0		8800240	
A	8800244	PL		CB2 ISOLATION BOX	U	JPL	MR64	GSE	32			0		8800244	
D	8800245			YB2 CB2 ISOLATION BX	U	JPL	MR64	GSE	32			0		8800244	
D	8800246			PLATE FRONT ISOLATN	U	JPL	MR64	GSE	32			0		8800240	
D	8800247			PLATE REAR ISOLATION	U	JPL	MR64	GSE	32			0		8800240	
D	8800248			PLATE LEFT SIDE MACH	U	JPL	MR64	GSE	32			0		8800240	
D	8800249			PLATE RIGHT SIDE	U	JPL	MR64	GSE	32			0		8800240	
D	8800250			TOP ISOLATION BOX	U	JPL	MR64	GSE	32			0		8800240	
D	8800251			BOTTOM ISOLATION BOX	U	JPL	MR64	GSE	32			0		8800240	
D	8800254			MACH6ENGRAVING PWR	U	JPL	MR64	GSE	32			0		8800255	
C	8800255			BRACKET	U	JPL	MR64	GSE	32			0		8800236	
C	8800256			WIRING POWER PANEL	U	JPL	MR64	GSE	32			0		8800222	
D	8800257			BRACKET LIGHT HOLDER	U	JPL	MR64	GSE	32			0		8800258	
D	8800258			INDICATOR LIGHT ASSY	U	JPL	MR64	GSE	32			0			
J	8800260			PC INDICATOR LIGHT	U	JPL	MR64	GSE	32			0		8800259	
J	8800261			CB1 ASSY RELAY	U	JPL	MR64	GSE	32	01	63			8800264	
A	8800261	PL		CB1 ASSY RELAY DRIVE	U	JPL	MR64	GSE	32	01	63			8800261	
D	8800262			CB1 RELAY DR SCHEM	U	JPL	MR64	GSE	32	01	63			8800261	
J	8800263			CB1 PC RELAY DRIVE	U	JPL	MR64	GSE	32	01	63			8800261	
J	8800266			CB1 TELETYPE CONVERTS	U	JPL	MR64	GSE	32			0		8800265	
J	8800267			CB1 PC TELETYPE CONV	U	JPL	MR64	GSE	32			0		8800266	
J	8800269			CLOCK DISPLAY UNIT	U	JPL	MR64	GSE	32			0		8800222	
J	8800270			FRONT PANEL CLOCK	U	JPL	MR64	GSE	32			0		8800269	
J	8800271			CLOCK DISPLAY WIRING	U	JPL	MR64	GSE	32			0		8800269	
J	8800272			PANEL MACH6ENGRAVING	U	JPL	MR64	GSE	32			0		8800270	
D	8800273			REAR PANEL CLOCK	U	JPL	MR64	GSE	32			0		8800269	
J	8800278			MAGNETOMETER ASSY	U	JPL	MR64	GSE	32			0		8800223	
J	8800279			M6SP SCHEMATIC	U	JPL	MR64	GSE	32			0		8800270	

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REV	DRAWING NO.	DASH NO.	REV	TITLE	UPL	CLASS	VENDOR CODE	RELEASE FOR SERIAL	TYPE	REF. DES.	REF. DES.	RELEASE DATE MM YY	DRAWING CONTROL STATUS	NEXT ASSEMBLY
J	105297			LAB SET	U	JPL	MR64	GSE	34	09	62			
J	122696			PANEL LO FLAT CELL	U	JPL	MR64	GSE	34			Q		
D	8200000		B	TEST FIXTURE ASY	U	JPL	MR64	GSE	34	11	62	J		
D	8200000		M	BHOUSING LAMP	U	JPL	MR64	GSE	34	11	62	J		
C	8200001		A	LENS HOUSING ASY	U	JPL	MR64	GSE	34	02	62	J		
C	8200002		A	BARREL LONG RANGE	U	JPL	MR64	GSE	34	02	62	J		
C	8200003		A	LENS LONG RANGE	U	JPL	MR64	GSE	34	02	62	J		
C	8200004		A	DIFFUSION LENS	U	JPL	MR64	GSE	34	02	62	J		
B	8200005		A	APERTURE	U	JPL	MR64	GSE	34	02	62	J		
D	8200008		B	SUPPORT FIXTURE	U	JPL	MR64	GSE	34	11	62	J		
C	8200009		A	SEAL LIGHT FIXTURE	U	JPL	MR64	GSE	34	02	62	J		
C	8200010		B	SEAL LIGHT LAMP	U	JPL	MR64	GSE	34	11	62	J		
C	8200082		A	RETAINER LAMP	U	JPL	MR64	GSE	34	02	62	J		
D	8200083		A	PLATE INSTRUMENT	U	JPL	MR64	GSE	34	11	62	J		
J	8200197			PAD SHIPPING CASE	U	JPL	MR64	GSE	34	09	62	J		8200199
J	8200198			COVER SHIPPING CASE	U	JPL	MR64	GSE	34	09	62	J		8200199
J	8200199			SHIPPING CASE A/C	U	JPL	MR64	GSE	34	09	62	J		
J	8200209		A	BOOSTER NITROGEN	U	JPL	MR64	GSE	34	11	62	J		
J	8200215			TOOL TUBE CUTTER ASY	U	JPL	MR64	GSE	34	09	62	J		
J	8200216			KIT TUBE CUTTER ASY	U	JPL	MR64	GSE	34	09	62	J		8200215
D	8200426			MONITOR PNL SCHEM	U	JPL	MR64	GSE	34			O		
D	8200427			HINGE FOLLOW-UP	U	JPL	MR64	GSE	34			O		
C	8200428			METER BUFFER SCHEM	U	JPL	MR64	GSE	34			O		
D	8200429			COMMAND PNL SCHEM	U	JPL	MR64	GSE	34			O		
D	8200430			SENSOR PNL SCHEMATIC	U	JPL	MR64	GSE	34			O		
C	8200431			JUNCTION BOX ELEC	U	JPL	MR64	GSE	34			O		
D	8200432			ACTUATOR DRAWR SCHEM	U	JPL	MR64	GSE	34			O		
C	8200433			SCHEM PLUS 28VDC	U	JPL	MR64	GSE	34			O		
J	8700031			FUEL TILL ASSY	U	JPL	MR64	GSE	34	10	61	J		3261002
J	8700034		A	TEST FIXTURE REGULTR	U	JPL	MR64	GSE	34	02	62	J		
J	8700041			FUEL TANK LEAK TEST	U	JPL	MR64	GSE	34	05	62	J		
D	8700042			TEST FLANGE	U	JPL	MR64	GSE	34	06	62	J		
D	8700043			WRENCH ASSY	U	JPL	MR64	GSE	34	06	62	J		
J	8800311			CB INDICATOR LIGHT	U	JPL	MR64	GSE	34			Q		8800258
J	8200161			SYSTEMS ASSY	U	STL	MR64	GSE	34			O		
J	8200162		B	PC#8	U	STL	MR64	GSE	34			O		8200189

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REV	DRAWING NO.	DATE	TITLE	U	CLASS	VENDOR CODE	RELEASE FOR		DEPT.	RELEASE DATE		DRAWING CONTROL STATUS		BEST ASSEMBLY	S
							REVISION	TYPE		MM	YY				
D	8200167		SCHEMATIC	U	STL	MR64	GSE	34				O		8200168	
D	8200167		SCHEMATIC DIAG	U	STL	MR64	GSE	34				O		8200168	
J	8200168	B	CB #1 TYPE A BUFFER	U	STL	MR64	GSE	34				O		8200161	
J	8200168		CB#1 TYPE A BUFFER	U	STL	MR64	GSE	34				O		8200322	
A	8200168	PL	CB1 TYPE A BUFFER	U	STL	MR64	GSE	34				O		8200168	
J	8200169		PC 31 TYPE A BUFFER	U	STL	MR64	GSE	34				O		8200168	
D	8200170		SCHEMATIC	U	STL	MR64	GSE	34				O		8200171	
J	8200171	B	CB 32 TYPE INVERTER	U	STL	MR64	GSE	34	02	63		C		8200161	
A	8200171	PL	CB 32 TYPE A INVERTER	U	STL	MR64	GSE	34				O		8200171	
J	8200172		PC#2	U	STL	MR64	GSE	34				O		8200171	
D	8200173		SCHEMATIC	U	STL	MR64	GSE	34				O		8200171	
D	8200173		SCHEMATIC	U	STL	MR64	GSE	34				O		8200161	
J	8200174	B	CB 33 TYPE A & GATE	U	STL	MR64	GSE	34	02	63		C		8200171	
A	8200174	PL	CB#3 TYPE A & GATE	U	STL	MR64	GSE	34				O		8200174	
J	8200175	A	PC 33	U	STL	MR64	GSE	34	02	63		C		8200174	
D	8200176		SCHEMATIC	U	STL	MR64	GSE	34				O		8200177	
J	8200177		CB#4 CLEAR COMMAND	U	STL	MR64	GSE	34				O		8200322	
A	8200177	PL	CB#4 CLEAR COMMAND	U	STL	MR64	GSE	34				O		8200177	
J	8200178		PC#4	U	STL	MR64	GSE	34				O		8200177	
D	8200179		SCHEMATIC	U	STL	MR64	GSE	34				O		8200180	
J	8200180	B	CB35 TYPE A ONE SHOT	U	STL	MR64	GSE	34	02	63		C		8200174	
A	8200180	PL	CB35 TYPE A ONE SHOT	U	STL	MR64	GSE	34				O		8200180	
J	8200181		PC#5	U	STL	MR64	GSE	34				O		8200180	
D	8200182		SCHEMATIC	U	STL	MR64	GSE	34				O		8200183	
J	8200183	B	CB#6 CURRENT GEN	U	STL	MR64	GSE	34				O		8200322	
A	8200183	PL	CB#6 CURRENT GEN	U	STL	MR64	GSE	34				O		8200183	
J	8200184	A	PC#6	U	STL	MR64	GSE	34				O		8200183	
D	8200185		SCHEMATIC	U	STL	MR64	GSE	34				O		8200186	
J	8200186	C	CB37 TYPE A FLIP FLP	U	STL	MR64	GSE	34	02	63		C		8200174	
A	8200186	PL	CB#7 TYPE A	U	STL	MR64	GSE	34				O		8200186	
J	8200187		PC#7	U	STL	MR64	GSE	34				O		8200186	
D	8200188		SCHEMATIC	U	STL	MR64	GSE	34				O		8200189	
J	8200189	B	CB#8 INTERFACE	U	STL	MR64	GSE	34				O		8200322	
A	8200189	PL	CB#8 INTERFACE	U	STL	MR64	GSE	34				O		8200189	
D	8200217		SCHEMATIC #1	U	STL	MR64	GSE	34				O		8200218	
J	8200218	A	CB#1 LOGIC	U	STL	MR64	GSE	34				O		8200295	
A	8200218	PL	CB#1 LOGIC	U	STL	MR64	GSE	34				O		8200218	
J	8200219		PC#1	U	STL	MR64	GSE	34				O		8200218	
D	8200220	A	SCHEMATIC	U	STL	MR64	GSE	34				O		8200221	
J	8200221	A	CB#2	U	STL	MR64	GSE	34				O		8200295	

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								SERIAL	TYPE					
A	8200221	PL		CB#2				U STL MR64	GSE	34		O	8200221	
J	8200222			PC#2				U STL MR64	GSE	34		O	8200221	
D	8200223		A	SCHEMATIC				U STL MR64	GSE	34		O	8200224	
A	8200224	PL		CB#3				U STL MR64	GSE	34		O	8200224	
J	8200224			PC#3				U STL MR64	GSE	34		O	8200224	
J	8200225			PC#3				U STL MR64	GSE	34		O	8200224	
D	8200226		A	SCHEMATIC				U STL MR64	GSE	34		O	8200227	
J	8200227		A	CB#4				U STL MR64	GSE	34		O	8200227	
A	8200227	PL		PC#4				U STL MR64	GSE	34		O	8200227	
J	8200228			PC#4				U STL MR64	GSE	34		O	8200227	
J	8200229		A	SCHEMATIC				U STL MR64	GSE	34		O	8200230	
J	8200230		A	CB#5				U STL MR64	GSE	34		O	8200230	
A	8200230	PL		PC#5				U STL MR64	GSE	34		O	8200230	
J	8200231			PC#5				U STL MR64	GSE	34		O	8200230	
D	8200232			SCHEMATIC				U STL MR64	GSE	34		O	8200233	
J	8200233		A	CB#6				U STL MR64	GSE	34		O	8200233	
A	8200233	PL		PC#6				U STL MR64	GSE	34		O	8200233	
J	8200234			PC#6				U STL MR64	GSE	34		O	8200233	
D	8200235			SCHEMATIC				U STL MR64	GSE	34		O	8200236	
J	8200236		A	CB#7				U STL MR64	GSE	34		O	8200236	
A	8200236	PL		PC#7				U STL MR64	GSE	34		O	8200236	
J	8200237			PC#7				U STL MR64	GSE	34		O	8200236	
D	8200238			SCHEMATIC				U STL MR64	GSE	34		O	8200239	
J	8200239		A	CB#8				U STL MR64	GSE	34		O	8200239	
A	8200239	PL		PC#8				U STL MR64	GSE	34		O	8200239	
J	8200240			PC#8				U STL MR64	GSE	34		O	8200239	
D	8200241			SCHEMATIC				U STL MR64	GSE	34		O	8200242	
J	8200242		A	CB#9				U STL MR64	GSE	34		O	8200242	
A	8200242	PL		PC#9				U STL MR64	GSE	34		O	8200242	
J	8200243			PC#9				U STL MR64	GSE	34		O	8200242	
D	8200244			SCHEMATIC				U STL MR64	GSE	34		O	8200245	
J	8200245		A	CB#10				U STL MR64	GSE	34		O	8200245	
J	8200246			PC#10				U STL MR64	GSE	34		O	8200245	
D	8200247		A	SCHEMATIC				U STL MR64	GSE	34		O	8200248	
J	8200248		A	CB#11				U STL MR64	GSE	34		O	8200248	
A	8200248	PL		PC#11				U STL MR64	GSE	34		O	8200248	
J	8200249			PC#11				U STL MR64	GSE	34		O	8200248	
D	8200250		A	SCHEMATIC				U STL MR64	GSE	34		O	8200251	
J	8200251			CB#12				U STL MR64	GSE	34		O	8200251	
A	8200251	PL		PC#12				U STL MR64	GSE	34		O	8200251	

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**DRAWING LIST**

REV	DRAWING NO.	DATE	BY	TITLE	REV	CLASS	REVISION CODE	RELEASE FOR		REV	DATE	DRAWING CONTROL STATUS	NEXT ASSEMBLY	REV
								SERIAL	TYPE					
J	8200252			PC#12				U STL MR64	GSE	34		O	8200251	
D	8200253			SCHEMATIC				U STL MR64	GSE	34		O	8200254	
J	8200254			CB#13				U STL MR64	GSE	34		O	8200255	
D	8200256		A	SCHEMATIC				U STL MR64	GSE	34		O	8200257	
J	8200257			CB#14				U STL MR64	GSE	34		O	8200257	
J	8200258			PC#14				U STL MR64	GSE	34		O	8200257	
D	8200259			SCHEMATIC				U STL MR64	GSE	34		O	8200260	
J	8200260			CB#15				U STL MR64	GSE	34		O	8200260	
D	8200262		A	SCHEMATIC				U STL MR64	GSE	34		O	8200263	
J	8200263		A	CB#16				U STL MR64	GSE	34		O	8200263	
A	8200263	PL		PC#16				U STL MR64	GSE	34		O	8200263	
J	8200264			PC#16				U STL MR64	GSE	34		O	8200263	
J	8200265			2.4 KC OSCILLATOR				U STL MR64	GSE	34		O	8200324	
J	8200266			CABLE DIA CC6S LOGIC				U STL MR64	GSE	34		O	8200295	
D	8200267			FAN PLATE				U STL MR64	GSE	34		O	8200268	
D	8200268			FAN PLATE				U STL MR64	GSE	34		O	8200321	
D	8200269			BRACKET				U STL MR64	GSE	34		O	8200314	
D	8200270			BRACKET				U STL MR64	GSE	34		O	8200314	
D	8200271			GUSSET				U STL MR64	GSE	34		O	8200314	
D	8200273			CHANNEL BRACKET				U STL MR64	GSE	34		O	8200314	
C	8200274			TB#2				U STL MR64	GSE	34		O	8200313	
J	8200275			REAR PANEL				U STL MR64	GSE	34		O	8200314	
D	8200276		A	SCHEMATIC				U STL MR64	GSE	34		O	8200277	
J	8200277			CB#9 DRIVER INFACE				U STL MR64	GSE	34		O	8200174	
A	8200277			CB#9 DRIVER INFACE				U STL MR64	GSE	34		O	8200277	
J	8200278			PC #9				U STL MR64	GSE	34		O	8200277	
D	8200279		A	SCHEMATIC				U STL MR64	GSE	34		O	8200280	
J	8200280		A	CB#10 INFACE				U STL MR64	GSE	34		O	8200174	
A	8200280	PL		CB#10 INTERFACE				U STL MR64	GSE	34		O	8200280	
J	8200281		A	PC #10				U STL MR64	GSE	34		O	8200280	
D	8200282			SCHEMATIC				U STL MR64	GSE	34		O	8200283	
J	8200283		A	CB#11 SYSTEM RELAY				U STL MR64	GSE	34		O	8200174	
J	8200284			PC#11				U STL MR64	GSE	34		O	8200283	
J	8200285			FRONT PANEL MACH				U STL MR64	GSE	34		O	8200368	
J	8200286		C	BLOCKHOUSE LOGIC				U STL MR64	GSE	34		O	8200322	
J	8200287			FRONT PANEL MACH				U STL MR64	GSE	34		O	8200314	
D	8200288			SCHEMATIC DIAG				U STL MR64	GSE	34		O	8200299	
D	8200289			HEAT SINK BRACKET				U STL MR64	GSE	34		O	8200299	
D	8200290			FRONT PANEL WIRING				U STL MR64	GSE	34		O	8200349	
J	8200291			FRONT PANEL MACH				U STL MR64	GSE	34		O	8200349	

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**DRAWING LIST**

REV	DRAWING NO.	DATE	REV.	TITLE	U	C	REVISED	RELEASE FOR		REV.	RELEASE		DRAWING CONTROL STATUS	MEET ASSEMBLY	S C
								MAJOR	ITEM		DATE	NO.			
J	8200292		A	BLOCKHOUSE CHAS WIRE	U	STL	MR64	GSE	34					8200322	
J	8200293			BLOCKHOUSE CARD FILE	U	STL	MR64	GSE	34					8200322	
D	8200294			BLOCKHOUSE FRONT PNL	U	STL	MR64	GSE	34						
J	8200295			LOGIC ASSY	U	STL	MR64	GSE	34					8200321	
J	8200296			FRONT PANEL MACH	U	STL	MR64	GSE	34					8200356	
J	8200297			REAR PANEL MACH	U	STL	MR64	GSE	34					8200321	
J	8200298			MANUEL COMM BLOCK DG	U	STL	MR64	GSE	34					8200161	
J	8200298		C	MANUAL COMMANDS DGM	U	STL	MR64	GSE	34						
D	8200299			HEAT SINK ASSY GEN	U	STL	MR64	GSE	34					8200322	
J	8200301		A	SYSTEMS CHASS WIRING	U	STL	MR64	GSE	34					8200161	
J	8200302		C	SYSTEMS CARD FILE #1	U	STL	MR64	GSE	34					8200161	
D	8200303		A	CABLE ASY SYS LOGIC	U	STL	MR64	GSE	34					8200321	
D	8200304			SCHEMATIC	U	STL	MR64	GSE	34					8200305	
J	8200305		A	CB#12 TYPE A & GATE	U	STL	MR64	GSE	34					8200174	
J	8200306			PC#12	U	STL	MR64	GSE	34					8200305	
C	8200307			ADAPTER BRACKET	U	STL	MR64	GSE	34					8200322	
J	8200308			BLOCKHOUSE CHASS WIR	U	STL	MR64	GSE	34						
J	8200309		A	FRONT PANEL WIRING	U	STL	MR64	GSE	34					8200368	
D	8200310			FRONT PANEL MACH	U	STL	MR64	GSE	34					8200324	
D	8200311			FRAME	U	STL	MR64	GSE	34					8200314	
D	8200313			CB#2	U	STL	MR64	GSE	34					8200323	
J	8200314			CHASSIS ASSY	U	STL	MR64	GSE	34					8200323	
J	8200321			GROUND SUPPORT CC6S	U	STL	MR64	GSE	34						
J	8200322			BLOCKHOUSE ASSY	U	STL	MR64	GSE	34					8200161	
J	8200323			BLOCKHOUSE PWR SUP	U	STL	MR64	GSE	34					8200321	
J	8200324			SYSTEMS POWER SUP	U	STL	MR64	GSE	34					8200321	
D	8200325			SCHEMATIC	U	STL	MR64	GSE	34					8200326	
J	8200326		A	CB#13 TIMING & MIDCS	U	STL	MR64	GSE	34					8200174	
A	8200326	PL		CB#13 TIMING	U	STL	MR64	GSE	34					8200326	
J	8200327			PC#13	U	STL	MR64	GSE	34					8200326	
D	8200328			SCHEMATIC	U	STL	MR64	GSE	34					8200329	
J	8200329		B	CB#14 TIMING&MCPU#2	U	STL	MR64	GSE	34					8200174	
A	8200329	PL		CB#14 TIMING&MCPU #2	U	STL	MR64	GSE	34					8200329	
J	8200330			PC#14	U	STL	MR64	GSE	34					8200329	
J	8200331			AGENA SEPARATION	U	STL	MR64	GSE	34					8200161	
J	8200332			SYSTEMS TIMING CONT	U	STL	MR64	GSE	34					8200161	
J	8200333			SYSTEMS CARD FILE #2	U	STL	MR64	GSE	34					8200161	
D	8200334			CABLE ASY VAC RACK	U	STL	MR64	GSE	34					8200321	
J	8200335			CONSOLE CABLE ASSY	U	STL	MR64	GSE	34					8200321	
D	8200336			DIRECT ACCESS CBL #1	U	STL	MR64	GSE	34					8200321	

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REV	DRAWING NO.	DATE	REV	TITLE	U	C	REVISED	RELEASE FOR		REV.	RELEASE		DRAWING	MEET
								MAJOR	ITEM		DATE	NO.		
D	8200337			DIRECT ACCESS CBL #2	U	STL	MR64	GSE	34			0		8200321
D	8200338			DIRECT ACCESS SIGNAL	U	STL	MR64	GSE	34			0		8200343
D	8200339		A	SCHEMATIC	U	STL	MR64	GSE	34			0		8200340
J	8200340		A	CB#15 DIRECT ACCESS	U	STL	MR64	GSE	34			0		8200343
A	8200340	PL		CB#15 DIRECT ACCESS	U	STL	MR64	GSE	34			0		8200340
J	8200341		B	PC#15	U	STL	MR64	GSE	34			0		8200340
D	8200342			WIRING BLOCKHOUSE	U	STL	MR64	GSE	34			0		8200323
J	8200343			DIRECT ACCESS ASSY	U	STL	MR64	GSE	34			0		8200321
J	8200344			SCHEMATIC	U	STL	MR64	GSE	34			0		
J	8200345			RACK HARNESS	U	STL	MR64	GSE	34			0		8200321
J	8200346			SCHEMATIC	U	STL	MR64	GSE	34			0		8200324
J	8200347			CARD RACK ASSY	U	STL	MR64	GSE	34			0		8200161
J	8200347			CARD FILE ASSY	U	STL	MR64	GSE	34			0		8200322
J	8200347			CARD RACK ASSY	U	STL	MR64	GSE	34			0		8200295
J	8200348			LOGIC SCHEMATIC	U	STL	MR64	GSE	34			0		8200295
J	8200349			FRONT PANEL ASSY	U	STL	MR64	GSE	34			0		8200322
D	8200350			REAR PANEL ASSY	U	STL	MR64	GSE	34			0		8200322
D	8200351			REAR PANEL MACH	U	STL	MR64	GSE	34			0		8200350
J	8200352			CHASSIS ASSY	U	STL	MR64	GSE	34			0		8200322
D	8200353			CHASSIS PLATE MACH	U	STL	MR64	GSE	34			0		8200352
J	8200354			PANEL SIDE	U	STL	MR64	GSE	34			0		8200322
C	8200355			TERMINAL STRIP	U	STL	MR64	GSE	34			0		8200322
J	8200356			FRONT PANEL ASSY	U	STL	MR64	GSE	34			0		8200295
J	8200357			REAR PANEL ASSY	U	STL	MR64	GSE	34			0		8200295
J	8200358			REAR PANEL MACH	U	STL	MR64	GSE	34			0		8200357
J	8200359			CHASSIS ASSY	U	STL	MR64	GSE	34			0		8200295
D	8200360			CHASSIS MACHINING	U	STL	MR64	GSE	34			0		8200359
J	8200361			PANEL SIDE	U	STL	MR64	GSE	34			0		8200295
J	8200362			CHASS MACH&ENGRAVING	U	STL	MR64	GSE	34			0		8200161
D	8200363			REAR PANEL ASSY	U	STL	MR64	GSE	34			0		8200161
D	8200364			REAR PANEL MACH	U	STL	MR64	GSE	34			0		8200363
D	8200365			BOTTOM PLATE	U	STL	MR64	GSE	34			0		8200161
C	8200366			COVER PLATE PWR SUPL	U	STL	MR64	GSE	34			0		8200161
J	8200367			SIDE PANEL	U	STL	MR64	GSE	34			0		8200161
J	8200368			FRONT PANEL ASSY	U	STL	MR64	GSE	34			0		8200161
D	8200369			POWER SUPPLY ASSY	U	STL	MR64	GSE	34			0		8200161
J	8200370			SCHEMATIC	U	STL	MR64	GSE	34			0		8200373
D	8200371			BLANK PANEL	U	STL	MR64	GSE	34			0		8200321
J	8200372			PC#17	U	STL	MR64	GSE	34			0		8200373
D	8200373			CB#17	U	STL	MR64	GSE	34			0		8200295

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JPL NO.	DRAWING NO.	REV. NO.	TITLE	CNS	CNS	VENDOR CODE	RELEASE FOR PRODUCTION		DEP. REV.	RELEASE DATE		DRAWING CONTROL STATUS	NEXT ASSEMBLY
							SERIAL	THRU		PD.	TH.		
J	119451		PLATES FEED THRU		U	JPL	MR64	GSE	35			O	
J	119452		PLATE FEED THRU MCM		U	JPL	MR64	GSE	35			O	
B	8200020	A	PANEL		U	JPL	MR64	GSE	35	01	63	J	8200502
B	8200022	A	PLATE FUNCTION		U	JPL	MR64	GSE	35	01	63	J	8200502
B	8200023	A	PLATE FUNCTION		U	JPL	MR64	GSE	35	02	63	J	8200502
B	8200024	A	PLATE FUNCTION		U	JPL	MR64	GSE	35	02	62	J	8200518
B	8200025	A	PLATE FUNCTION		U	JPL	MR64	GSE	35	02	63	J	8200502
B	8200026	A	PLATE FUNCTION		U	JPL	MR64	GSE	35	01	63	J	8200502
C	8200028	A	BRACKET		U	JPL	MR64	GSE	35	01	53	J	8200502
B	8200031	A	SUPPORT		U	JPL	MR64	GSE	35	01	63	J	8200502
C	8200032	A	RETAINER		U	JPL	MR64	GSE	35	01	63	J	8200502
B	8200033	A	SUPPORT SWITCH		U	JPL	MR64	GSE	35	01	62	J	8200502
B	8200034	A	RESISTOR ASSEMBLY		U	JPL	MR64	GSE	35	01	63	J	8200502
J	8200037	A	JUNCTION PANEL		U	JPL	MR64	GSE	35	01	63	J	8200518
J	8200067	A	CONNECTOR INTERFACE		U	JPL	MR64	GSE	35	01	63	J	8200518
B	8200100	A	ANGLE SHELF SUPPORT		U	JPL	MR64	GSE	35	01	63	J	8200518
C	8200101	A	DRAWER SHELF		U	JPL	MR64	GSE	35	01	53	J	8200518
D	8200102	B	SUPPORT		U	JPL	MR64	GSE	35	01	63	J	8200518
J	8200112	A	PCA RESET MONITOR		U	JPL	MR64	GSE	35	01	63	J	8200518
J	8200501	A	WIRING DIAGRAM		U	JPL	MR64	GSE	35	01	62	J	8200502
J	8200502		PYROTECHNIC MON A		U	JPL	MR64	GSE	35	01	62	J	8200518
J	8200503		PYROTECHNIC MON B		U	JPL	MR64	GSE	35	01	62	J	8200518
J	8200504		CHASSIS		U	JPL	MR64	GSE	35	01	63	J	8200502
D	8200514		CIRCUIT BD 1 ASSY		U	JPL	MR64	GSE	35	01	63	J	8200502
J	8200516		CIRCUIT BOARD ASSY		U	JPL	MR64	GSE	35	01	63	J	8200502
A	8200516	PL	COMPONENT PARTS LIST		U	JPL	MR64	GSE	35	01	63	J	8200516
J	8200518		PYRO MONITOR CONSOLE		U	JPL	MR64	GSE	35			O	
J	8200519		PRINTED CIRCUITRY		U	JPL	MR64	GSE	35			O	
D	8200520		SCHEMATIC DIAGRAM		U	JPL	MR64	GSE	35	01	63	J	8200516
J	8800311		CB INDICATOR LIGHT		U	JPL	MR64	GSE	34			O	8800258
D	8900702		CABLE 2W322		U	JPL	MR64	GSE	35			O	8900701
C	8900703		CABLE 2W324		U	JPL	MR64	GSE	35			O	8900701
D	8900455	A	CONSOLE CABLE #4		U	JPL	MR64	GSE	35	01	63	J	8200518
D													

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IR: 2817 (C-H), 1641 (C=O), 1510 (C=C), 1450 (C=C), 1380 (C-O), 1270 (C-O), 1100 (C-O), 1050 (C-O), 1010 (C-O), 960 (C=C), 910 (C=C), 850 (C-O), 810 (C-O), 750 (C-O), 710 (C-O), 690 (C-O), 650 (C-O), 610 (C-O), 580 (C-O), 540 (C-O), 510 (C-O), 480 (C-O), 450 (C-O), 420 (C-O), 400 (C-O), 380 (C-O), 350 (C-O), 320 (C-O), 300 (C-O), 280 (C-O), 250 (C-O), 220 (C-O), 200 (C-O), 180 (C-O), 160 (C-O), 140 (C-O), 120 (C-O), 100 (C-O), 80 (C-O), 60 (C-O), 40 (C-O), 20 (C-O), 10 (C-O), 0 (C-O).







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## Supplement II

### Mariner Specification Lists

This Supplement comprises numerical listings of all *Mariner* specifications published before January 1, 1963. The specifications are grouped in six categories, presented as subsections A to F:

- A. Inclusive *Mariner* Specifications
- B. *Mariner R* Design Specifications
- C. *Mariner R* Detail Specifications

- D. *Mariner R* Test Specifications
- E. *Mariner R* General Specifications
- F. *Mariner R* Process Specifications

With the exception of items in the inclusive list (subsection A), all these specifications are applicable to the *Mariner R* program. In the inclusive tabulation, specifications are listed for *Mariners M (C), B, and R*; that is, for all *Mariner* spacecraft with the exception of *Mariner A*.

#### A. Inclusive *Mariner* Specifications

Number	Revision	Date released	Document
20505	-A	11/05/62	Proc Spec, <i>Mar R</i> flgt eqp, installation of case harness interconnect subassemblies
20507		11/22/61	Proc Spec, <i>Mar R</i> flgt eqp, electrical cabling and interconnection
30219		2/20/61	Proc Spec, <i>Mar</i> flgt eqp, nickel plating (electro-deposited) for magnesium subchassis
30225		3/03/61	Genl Spec, S/C Operations Bldg, AMR Assembly and Checkout Facility for NASA/JPL <i>Mariner S/C Program</i>



## A (Cont'd)

Number	Revision	Date released	Document
30247	-A	6/13/62	Test Spec, Mar R flgt eqp, S/C sys and subsys harness assems and subassemblies, unit 9
30249	-B	2/13/62	Dsn Spec, Mar R, preliminary pre-injection trajectory criteria
30250	-A	11/28/62	Envir Spec, Mar R and Mar C flgt eqp, type approval test requirements, assem level
30251	-A	11/28/62	Envir Spec, Mar R and Mar C flgt eqp, flgt acct test requirements and pre-acceptance test limits, assem level
30254		10/12/61	Envir Spec, Mar R, structural qualification test requirements
30256		1/22/62	Envir Spec, Mar R flgt eqp, envir test requirements for composite S/C
30257		3/12/62	Envir Spec, Mar B, flgt eqp, type approval test requirements, assem level
30258		4/10/62	Envir Spec, Mar B, flgt eqp, flight acceptance test requirements and pre-acceptance test limits, assem level
30259		3/20/62	Envir Spec, Mar R flgt eqp, environmental test requirements for composite S/C less-than-optimum vacuum temperature tests
30260		6/19/62	Dsn Spec, Mar R flgt eqp, S/C sys and subsys harness assems and subassemblies
30271		10/08/62	Proc Spec, Mar R flgt eqp, potting of ends of wet foil, tantalum capacitor GE29F2397 G3, 100v, 7.5mf, plus or minus 3% and matched to plus or minus 2%
30392	-A	4/27/61	Dsn Spec, Mar flgt eqp, telemetering development, analog-to-digital converter
30394		2/15/61	Dsn Spec, Mar B flgt eqp, attitude control sys, image dissector
30407		9/14/61	Dsn Spec, Mar flgt eqp, S-band transponder subsys, balanced-mixer preamplifier
30408	-A	11/08/62	Dtl Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys 50-mc IF amplifier and second mixer
30409		9/18/61	Dsn Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys 10-mc IF amplifier
30410	-A	11/15/62	Dtl Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys phase and AGC detector
30411	-A	10/10/62	Dtl Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys, loop filter
30412	-B	11/14/62	Dtl Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys, voltage controlled oscillator
30413	-A	10/30/62	Dtl Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys, frequency divider
30414		9/13/61	Dsn Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys, AGC filter and isolation amplifier
30415	-A	11/09/62	Dtl Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys, auxiliary oscillator
30421	-A	12/04/62	Dtl Spec, Mar R flgt eqp, L-band transponder subsys, balanced-mixer preamplifier
30422	-A	12/05/62	Dtl Spec, Mar R flgt eqp, L-band transponder subsys, X42 multiplier
30424		12/12/60	Dsn Spec, Mar flgt eqp, S/C transmitter, Klystron amplifier, phase 1
30442	-C	6/04/62	Dtl Spec, Mar R flgt eqp, attitude control subsys, gyro subassem, miniature floated gyroscope
30455	-C	12/06/61	Dsn Spec, Mar R flgt eqp, power supply sys, solar panel assems 4A11, 4A12
30474	-C	4/20/62	Dsn Spec, Mar flgt eqp, telemetering development, magnetic tape recorder
30481	-B	10/23/62	Dtl Spec, Mar flgt eqp, power supply subsys, charger 4A7 (replaced by JPL spec 30962)
30498		10/25/61	Test Spec, Mar R flgt eqp, power supply subsys, solar panel structure
30513		5/25/62	Dsn Spec, Mar B grnd sup eqp, data automation sys, power supply
30553		6/18/62	Dsn Spec, Mar B grnd sup eqp, high-resolution TV recorder
30557	-C	3/19/62	Dsn Spec, Mar A and R grnd sup eqp, telemetry, digital demodulator
30559	-C	12/06/61	Dsn Spec, Mar R grnd sup eqp, telemetry, data demodulator
30577	-A	11/13/61	Dsn Spec, Mar R grnd sup eqp, checkout, telemetry, data printout subsys
30581		2/13/62	Test Spec, Mar R flgt eqp, S/C electronics, antenna electronics subassem 7A13
30582	-A	1/26/62	Dsn Spec, Mar R grnd sup eqp, AMR Launch Complex No. 12
30590		2/06/62	Functional Specs and power source and grounding sys requirements for Mariner system test complex
30592		3/10/62	Dsn Spec, Mar B grnd sup eqp, instrumentation, real-time slow-scan TV monitor
30593		4/11/62	Dsn Spec, Mar B grnd sup eqp, S-band receiver, ground monitor equipment
30596	-B	6/14/62	Dsn Spec, Mar B grnd sup eqp, real-time slow-scan TV monitor
30599	-A	5/31/62	Dsn Spec, Mar B grnd sup eqp, checkout, star-planet simulator
30702		4/27/62	Dsn Spec, Mar B grnd sup eqp, checkout, flight data encoder
30706	-A	7/30/62	Dsn Spec, Mar B grnd sup eqp, scientific instruments, power supply
30717	-A	8/14/62	Dsn Spec, Mar B grnd sup eqp, digital demodulator
30718		8/08/62	Dsn Spec, Mar grnd sup eqp, laboratory power supplies, 2400-cps square-wave 25-w supplies



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Number	Revision	Date released	Document
30719	-A	9/21/62	Dsn Spec, Mar R, grnd sup eqp, command modulation checker
30723		8/17/62	Dsn Spec, Mar M grnd sup eqp, flight data encoder
30725	-B	10/03/62	Dsn Spec, Mar B, M, R, grnd sup eqp, telemetry data decommutator, bidirectional
30728		10/08/62	Dsn Spec, Mar M, grnd sup eqp, command subsys test console
30733		11/20/62	Dsn Spec, Mar C grnd sup eqp, S-band transponder, S-band test set
30739		12/03/62	Dsn Spec, Mar grnd sup eqp, command receiver test eqp, RF signal generator
30801		6/26/61	Dsn Spec, Mar flgt eqp, telemetering development, magnetic sensor switching logic
30804	-A	2/09/62	Test Spec, Mar R flgt eqp, power supply sys, solar panel assem 4A11, 4A12
30825		9/27/62	Dsn Spec, Mar flgt eqp, communications transponder, 20-cps, S-band, Mark I
30835	-A	5/16/62	Test Spec, Mar R flgt eqp, attitude control subsys, long-range Earth sensor 7A10
30837	-A	10/23/62	Test Spec, Mar R flgt eqp, attitude control subsys, switching amplifier and internal logic subassem 7A18 (replaced by JPL Spec 30942)
30840	-A	10/01/62	Dtl Spec, Mar R flgt eqp, attitude control subsys, control gyros 7A1
30842		2/13/62	Test Spec, Mar R flgt eqp, attitude control subsys, gyro control electronics 7A2
30843	-A	6/27/62	Test Spec, Mar R flgt eqp, attitude control subsys, accelerometer and electronics 7A3
30853		8/22/61	Test Spec, Mar flgt eqp, spacecraft structure, Earth antenna yoke and hinge structure
30855		8/22/61	Test Spec, Mar flgt eqp, S/C structure, planetary horizontal platform
30856	-A	4/13/62	Test Spec, Mar B flgt eqp, attitude control subsys, horizon scanner assem 7A16
30858		10/18/61	Test Spec, Mar R flgt eqp, temperature control subsys, louver temperature control
30860		12/06/61	Test Spec, Mar R flgt eqp, autopilot electronic subassem 7A4
30863		9/07/61	Dsn Spec, Mar R flgt eqp, pyrotechnic subsys, arming switch
30865		10/20/61	Test Spec, Mar R flgt eqp, L-band transponder subsys, command directional coupler
30868	-A	7/24/62	Test Spec, Mar R flgt eqp, L-band transponder subsys, L-band filter 2A9
30870		9/28/61	Test Spec, Mar R flgt eqp, L-band transponder subsys, directional antenna rotary joint subassem 2A8
30872	-A	11/10/61	Dsn Spec, Mar R flgt eqp, L-band transponder subsys, circulators and power monitors, Mark I
30874		9/11/61	Test Spec, Mar flgt eqp, L-band transponder subsys, transformer-rectifier 2A14, 2A15
30878	-A	11/15/61	Dsn Spec, Mar flgt eqp, attitude control sys, high-temperature image dissector
30881		9/28/61	Dtl Spec, Mar R, vehicle sys integration, requirements and restraints
30882	-A	9/28/61	Dsn Spec, Mar R flgt eqp, power supply sys, solar panel structure
30884		10/19/61	Test Spec, Mar R flgt eqp, midcourse and approach propulsion sys, pneumatic regulator
30885	-A	9/26/62	Dsn Spec, Mar R flgt eqp, L-band transponder functional unit, transformer-rectifier Mark II
30887	-A	5/07/62	Test Spec, Ranger A5 and Mar R flgt eqp, S/C structure, antenna actuator
30888		10/20/61	Test Spec, Mar R flgt eqp, L-band transponder subsys, circulators and power monitors, Mark I
30889		10/20/61	Dsn Spec, Mar R flgt eqp, L-band transponder subsys, junction box and antenna transfer switch
30893	-B	9/26/62	Dsn Spec, Mar R flgt eqp, L-band transponder subsys, L-band circulator and power monitor, Mark II
30896		10/26/61	Test Spec, Mar R flgt eqp, attitude control subsys, celestial relay and power subassem 7A19
30897	-B	12/20/61	Test Spec, Mar R scientific instruments, scientific power switching unit 20A1
30898	-A	9/26/62	Test Spec, Mar R flgt eqp, L-band transponder subsys, transformer-rectifier 2A4, Mark II
30899	-A	12/27/61	Dsn Spec, Mar R flgt eqp, scientific instruments, infrared radiometer 27A1
30900	-B	3/26/62	Test Spec, Mar R flgt eqp, power supply sys, Case V
30901	-B	3/26/62	Test Spec, Mar R flgt eqp, power supply sys, booster-regulator power amplifier 4A4
30902	-A	4/11/62	Test Spec, Mar R flgt eqp, scientific instruments, cosmic dust detector 24A1
30903	-C	3/26/62	Test Spec, Mar R flgt eqp, power supply subsys, power switching and logic 4A1
30904		11/16/61	Test Spec, Mar R flgt eqp, midcourse propulsion sys, sys test requirements
30905		11/03/61	Dtl Spec, Mar R flgt eqp, pyrotechnic subsys, primer chamber assem
30906		11/15/61	Test Spec, Mar R flgt eqp, telemetry sys, data encoder
30907	-B	8/31/62	Test Spec, Mar R flgt eqp, central computer and sequencer (CC&S)
30908	-A	1/11/62	Test Spec, Mar R combined unit, S/C adapter and shroud
30909		11/10/61	Dtl Spec, Mar R flgt eqp, transponder communications, transponder cavities subassem 2A3
30910	-A	6/13/62	Test Spec, Mar R flgt eqp, attitude control sys, Sun sensors 7A14, 15, 25, 26, 27, 28
30911	-A	6/13/62	Test Spec, Mar R flgt eqp, attitude control sys, Sun gate 7A31
30912	-A	12/29/61	Test Spec, Mar R flgt eqp, scientific instruments, infrared radiometer 27A1, and infrared calibrator 27A2
30913		11/28/61	Test Spec, Mar R, L-band transponder subsys
30914		11/14/61	Test Spec, Mar R flgt eqp, pyrotechnic subsys, primer chamber assem



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Number	Revision	Date released	Document
30916		11/09/61	Test Spec, Mar R scientific instruments, microwave radiometer unit 21
30917		11/17/61	Test Spec, Mar R scientific instruments, solar plasma unit 23
30919		11/27/61	Test Spec, Mar R scientific instruments, data conditioning sys 20A2
30920	-A	11/02/61	Test Spec, Mar R scientific instruments, particle flux detector 25A1
30921	-A	1/12/62	Test Spec, Mar R scientific instruments, cosmic ray ionization chamber 26A1
30922	-A	10/03/62	Test Spec, Mar R flgt eqp, L-band transponder subsys, circulators and power monitors, Mark II
30924		11/27/61	Test Spec, Mar R flgt eqp, L-band transponder subsys, junction box and antenna transfer switch
30930		12/13/61	Test Spec, Mar R flgt eqp, command subsys
30931		12/04/61	Test Spec, Mar R flgt eqp, L-band transponder subsys, omnidirectional antenna
30932		12/06/61	Test Spec, Mar R flgt eqp, L-band transponder subsys, command antennas
30933		3/19/61	Test Spec, Mar R, pyrotechnic control subassem 8A1
30935		12/14/61	Test Spec, Mar R L-band transponder subsys, high-gain directional antenna
30937		2/20/62	Dsn Spec, Mar B engineering prototype and flight equipment, scientific instruments, cosmic ray spectrum analyzer
30940	-A	9/28/62	Test Spec, Mar R flgt eqp, attitude control gas actuator sys, pneumatic regulator
30942		12/18/61	Test Spec, Mar R flgt eqp, attitude control subsys, switching amplifier and internal logic subassem 7A18
30943		12/29/61	Test Spec, Mar R flgt eqp, attitude control gas actuator sys, pressure vessel
30946	-A	6/15/62	Test Spec, Mar R flgt eqp, ESB Model 201 battery
30948	-B	8/08/62	Dsn Spec, Mar R P-37 and P-38 flgt eqp, Cytherean target criteria
30949	-A	2/20/62	Dsn Spec, Mar B engineering prototype and flight equipment, scientific instruments, solar plasma detectors
30950		1/31/62	Test Spec, Mar R flgt eqp, pyrotechnic subsys, arming switch assem
30955		2/19/62	Dsn Spec, Mar R flgt eqp, general requirements for static-power inverters
30956		2/21/62	Dtl Spec, Mar R flgt eqp, power supply sys, power switching and logic 4A1
30957		2/19/62	Dtl Spec, Mar R flgt eqp, power supply sys, booster-regulator oscillator 4A1
30958		2/19/62	Dtl Spec, Mar R flgt eqp, power supply sys, booster-regulator power amplifier 4A4
30959		3/02/62	Dtl Spec, Mar R flgt eqp, power supply sys, synchronizer supply 4A6
30960		2/19/62	Dtl Spec, Mar R flgt eqp, power supply sys, 2.4-kc power amplifier 4A9
30961		2/19/62	Dtl Spec, Mar R flgt eqp, power supply sys, 400-cps power amplifier 4A8
30961		2/19/62	Dtl Spec, Mar R flgt eqp, power supply sys, 400-cps power amplifier 4A8
30962		2/19/62	Dtl Spec, Mar R flgt eqp, power supply sys, charger 4A7
30963		3/02/62	Test Spec, Mar R flgt eqp, solar panel actuator, linear
30964		5/23/62	Test Spec, Mar R flgt eqp, radiometer scan actuator 21A2
30965	-A	4/24/62	Dsn Spec, Mar B structural test module, solar panel
30966	-A	4/11/62	Dsn Spec, Mar B engineering prototype and flight equipment, scientific instruments, infrared radiometer
30967	-A	3/29/62	Dsn Spec, Mar B flgt eqp, power supply sys, Venus solar panel assem
30968		7/27/62	Test Spec, Mar B flgt eqp, power supply sys, solar panel assem
30971	-A	3/23/62	Dsn Spec, Mar B engineering prototype and flight equipment, scientific instruments, trapped radiation detectors 28A1
30974	-A	5/01/62	Dsn Spec, Mar B scientific instruments, ultraviolet spectrometer
30975	-A	5/04/62	Dsn Spec, Mar B flgt eqp, antenna and planetary horizontal platform actuators
30977		3/22/62	Dsn Spec, Mar B engineering prototype and flgt eqp, scientific instruments, medium-energy-proton directional monitor 29A1
30978		3/09/62	Dsn Spec, Mar R flgt eqp, battery
30981		3/29/62	Dsn Spec, Mar B flgt eqp, power supply sys, Mars solar panel assem
30982		4/19/62	Dtl Spec, Mar B vehicle system integration requirements and restraints
30983	-A	5/21/62	Dtl Spec, Mar B flgt eqp, inertial reference module, force balance accelerometer transducer (confidential)
30985		6/19/62	Genl Spec, Mar B flgt eqp, electronic package
30987	-C	10/18/62	Dsn Spec, Mar B flgt eqp, power supply sys, solar panel structure
30989	-B	6/21/62	Dsn Spec, Mar B flgt eqp, optical sys for vidicon TV cameras
30992	-B	7/31/62	Dsn Spec, Mar B flgt eqp, jet vane actuator
30994		4/27/62	Dsn Spec, Mar B flgt eqp, prototype flgt data encoder
30998	-B	6/26/62	Dsn Spec, Mar B engineering prototype and flight equipment, scientific instruments, infrared radiometer 41A1 for Mars mission



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Number	Revision	Date released	Document
31000		5/07/62	Dsn Spec, Mar B flgt eqp, telemetry, magnetic-tape recorder, $2 \times 10^6$ bit capacity
31005		5/21/62	Dsn Spec, Mar B flgt eqp, attitude control sys, Canopus cone-angle generator
31008	-A	9/12/62	Dsn Spec, Mar B flgt eqp, telemetering development, video magnetic tape recorder, $10^8$ bit capacity
31009	-A	9/12/62	Dsn Spec, Mar B flgt eqp, telemetering development, engineering magnetic tape recorder, $10^7$ bit capacity
31013	-A	10/24/62	Dsn Spec, Mar B flgt eqp, spacecraft ranging coder subsys, unit 13
31022		7/25/62	Dsn Spec, Mar B flgt eqp, command subsys, single-channel command detector
31023		7/26/62	Dsn Spec, Mar B command subsys, single-channel command modulator, breadboard design and performance
31024		7/25/62	Dtl Spec, Mar R flgt eqp, L-band transponder subsys, L-band filter 2A9
31028		11/30/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, power switching and logic
31029		11/27/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, booster-regulator power amplifier 4A4
31030		12/05/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, booster-regulator oscillator 4A1
31031		11/27/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, synchronizer supply 4A6
31032		11/27/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, 2.4-kc power amplifier 4A9
31033		11/30/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, 400-cps power amplifier
31034		12/03/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, charger 4A7
31035		12/07/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, Case V
31036		12/03/62	Test Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, power switching and logic 4A1
31050		8/20/62	Dsn Spec, Mar M flgt eqp, engineering prototype, infrared spectrometer
31053		8/17/62	Dsn Spec, Mar R follow-on flgt eqp, scientific instruments, infrared radiometer 27A1
31054	-A	8/28/62	Proc Spec, Mar M flgt eqp, CC&S harness fabrication test and encapsulation
31056	-A	9/09/62	Proc Spec, Mar R flgt eqp, fabrication CC&S
31057	-A	8/28/62	Proc Spec, Mar R flgt eqp, CC&S harness fabrication test and encapsulation
31060	-A	9/07/62	Proc Spec, Mar M flgt eqp, fabrication CC&S
31063	-A	11/26/62	Dtl Spec, Mar R flgt eqp, CC&S unit 5
31064		8/22/62	Test Spec, unit accept, Mar R flgt eqp, CC&S central clock subassem 5A1
31065		8/24/62	Test Spec, unit accept, Mar R flgt eqp, CC&S launch counter subassem 5A2
31066		8/27/62	Test Spec, unit accept, Mar R flgt eqp, CC&S end counter subassem 5A3
31067		8/24/62	Test Spec, unit accept, Mar R flgt eqp, CC&S maneuver clock subassem 5A4
31068		8/24/62	Test Spec, unit accept, Mar R flgt eqp, CC&S maneuver duration subassem 5A5
31069		8/23/62	Test Spec, unit accept, Mar R flgt eqp, CC&S address register and maneuver duration output 5A6
31070		8/24/62	Test Spec, unit accept, Mar R flgt eqp, CC&S input decoder subassem 5A7
31071		8/24/62	Test Spec, unit accept, Mar R flgt eqp, CC&S transformer-rectifier subassem 5A8
31072		8/23/62	Test Spec, unit accept, Mar M flgt eqp, CC&S central clock subassem 5A1
31073		8/23/62	Test Spec, unit accept, Mar M flgt eqp, CC&S launch counter subassem 5A2
31074		8/23/62	Test Spec, unit accept, Mar M flgt eqp, CC&S end counter subassem 5A3
31075		8/23/62	Test Spec, unit accept, Mar M flgt eqp, CC&S maneuver clock subassem 5A4
31076		8/23/62	Test Spec, unit accept, Mar M flgt eqp, CC&S maneuver duration subassem 5A5
31077		8/24/62	Test Spec, unit accept, Mar M flgt eqp, CC&S address register and maneuver duration output subassem 5A6
31078		8/24/62	Test Spec, unit accept, Mar M flgt eqp, CC&S input decoder subassem 5A7
31079		8/23/62	Test Spec, unit accept, Mar M flgt eqp, CC&S transformer-rectifier subassem 5A8
31082	-A	10/03/62	Dsn Spec, Mar B flgt eqp, engineering prototype, data conditioning unit 50
31084		8/30/62	Dsn Spec, Mar M flgt eqp, CC&S
31085		8/30/62	Dtl Spec, Mar M flgt eqp, CC&S unit 5
31088		9/24/62	Genl Spec, Mar R flgt eqp, electronic packaging
31090	-B	12/14/62	Dtl Spec, Mar R flgt eqp, communications transponder, 20-cps L-band, Mark II 2A1, 2A2
31091		10/08/62	Dsn Spec, Mar M flgt eqp, command subsys
31108	-B	11/05/62	Dsn Spec, Mar M flgt eqp, optical system for vidicon camera
31112		10/12/62	Dsn Spec, Mar R-6-10 flgt eqp, science subsys, data automation unit 20
31115		10/16/62	Dtl Spec, Mar R flgt eqp, Mark II transponder, 10-mc bandpass crystal filter
31141		11/01/62	Genl Spec, Mar R flgt eqp, installation of electronic subassemblies
31157	-A	11/21/62	Dtl Spec, Mar R flgt eqp, L-band communications subsys, tricavity amplifier, planar triode
31160		11/15/62	Dtl Spec, Mar R and Mar flgt eqp, L-band transponder subsys, X-16 frequency multiplier
31167		11/30/62	Dtl Spec, Mar C flgt eqp, Mark I transponder 10-mc bandpass crystal filter



## B. Mariner R Design Specifications

Number	Revision	Date released	Document
30249	-B	2/13/62	Dsn Spec, Mar R preliminary pre-injection trajectory criteria
30260		6/19/62	Dsn Spec, Mar R flgt eqp, S/C sys and subsys harness assems and subassemblies
30392	-A	4/27/61	Dsn Spec, Mar flgt eqp, telemetering development, analog-to-digital converter
30407		9/14/61	Dsn Spec, Mar flgt eqp, S-band transponder subsys, balanced mixer preamplifier
30409		9/18/61	Dsn Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys, 10-mc IF amplifier
30414		9/13/61	Dsn Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys, AGC filter and isolation amplifier
30424		12/12/60	Dsn Spec, Mar flgt eqp, S/C transmitter, Klystron amplifier, Phase I
30455	-C	12/06/61	Dsn Spec, Mar R flgt eqp, power supply sys, solar panel assem 4A11, 4A12
30557	-C	3/19/62	Dsn Spec, Mar A and R grnd sup eqp, telemetry, digital decommutator
30559	-C	12/06/61	Dsn Spec, Mar R grnd sup eqp, telemetry, data demodulator
30577	-A	11/13/61	Dsn Spec, Mar R grnd sup eqp, checkout, telemetry, data printout subsys
30582	-A	1/26/62	Dsn Spec, Mar R grnd sup eqp, AMR Launch Complex No.12
30590		2/06/62	Functional Spec, power source and grounding system requirements for Mariner system test complex
30718		8/08/62	Dsn Spec, Mar grnd sup eqp, laboratory power supplies, 2400-cps square-wave 25-w supplies
30719	-A	9/21/62	Dsn Spec, Mar R grnd sup eqp, command modulation checker
30725	-B	10/03/62	Dsn Spec, Mar B, M, R grnd sup eqp, telemetry data decommutator, bidirectional
30739		12/03/62	Dsn Spec, Mar grnd sup eqp, command receiver test eqp, RF signal generator
30801		6/26/61	Dsn Spec, Mar flgt eqp, telemetering development, magnetic sensor switching logic
30825		9/27/62	Dsn Spec, Mar flgt eqp, communications transponder, 20-cps, S-band, Mark I
30863		9/07/61	Dsn Spec, Mar R flgt eqp, pyrotechnic subsys, arming switch
30872	-A	11/10/61	Dsn Spec, Mar R flgt eqp, L-band transponder subsys, circulators and power monitors, Mark I
30878	-A	11/15/61	Dsn Spec, Mar flgt eqp, attitude control sys, high-temperature image dissector
30885	-A	9/26/62	Dsn Spec, Mar R flgt eqp, L-band transponder functional unit, transformer-rectifier, Mark II
30889		10/20/61	Dsn Spec, Mar R flgt eqp, L-band transponder subsys, junction box and antenna transfer switch
30893	-B	9/26/62	Dsn Spec, Mar R flgt eqp, L-band transponder subsys, L-band circulator and power monitor, Mark II
30899	-A	12/27/61	Dsn Spec, Mar R flgt eqp, scientific instruments, infrared radiometer 27A1
30948	-B	8/08/62	Dsn Spec, Mar R P-37 and P-38, flgt eqp, Cytherean target criteria
30955		2/19/62	Dsn Spec, Mar R flgt eqp, general requirements for static-power inverters
30978		3/09/62	Dsn Spec, Mar R flgt eqp, battery
31053		8/17/62	Dsn Spec, Mar R follow-on flgt eqp, scientific instruments, infrared radiometer, 27A1

## C. Mariner R Detail Specifications

Number	Revision	Date released	Document
30408	-A	11/08/62	Dtl Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys, 50-mc IF amplifier and second mixer
30410	-A	11/15/62	Dtl Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys, phase and AGC detector
30412	-B	11/14/62	Dtl Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys, voltage controlled oscillator
30413	-A	10/30/62	Dtl Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys, frequency divider
30415	-A	11/09/62	Dtl Spec, Mar R and Mar flgt eqp, L-band and S-band transponder subsys, auxiliary oscillator
30421	-A	12/04/62	Dtl Spec, Mar R flgt eqp, L-band transponder subsys, balanced-mixer preamplifier
30422	-A	12/05/62	Dtl Spec, Mar R flgt eqp, L-band transponder subsys, X-42 multiplier
30442	-C	6/04/62	Dtl Spec, Mar R flgt eqp, attitude control subsys, gyro subassem, miniature floated gyroscope
30481	-B	10/23/62	Dtl Spec, Mar flgt eqp, power supply sys, charger 4A7 (replaced by JPL Spec 30962)
30840	-A	10/01/62	Dtl Spec, Mar R flgt eqp, attitude control subsys, control gyros 7A1



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Number	Revision	Date released	Document
30881	-A	9/28/61	Dtl Spec, Mar R vehicle system integration requirements and restraints
30882		9/28/61	Dsn Spec, Mar R flgt eqp, power supply system, solar panel structure
30905		11/03/61	Dtl Spec, Mar R flgt eqp, pyrotechnic subsys, primer chamber assem
30909		11/10/61	Dtl Spec, Mar R flgt eqp, transponder communications, transponder cavities subassem 2A3
30956		2/21/62	Dtl Spec, Mar R flgt eqp, power supply sys, power switching and logic 4A1
30957		2/19/62	Dtl Spec, Mar R flgt eqp, power supply sys, booster-regulator oscillator 4A1
30958		2/19/62	Dtl Spec, Mar R flgt eqp, power supply sys, booster-regulator power amplifier 4A4
30959		3/02/62	Dtl Spec, Mar R flgt eqp, power supply sys, synchronizer supply 4A6
30960		2/19/62	Dtl Spec, Mar R flgt eqp, power supply sys, 2.4-kc power amplifier 4A9
30961		2/19/62	Dtl Spec, Mar R flgt eqp, power supply sys, 400-cps power amplifier 4A8
30962		2/19/62	Dtl Spec, Mar R flgt eqp, power supply sys, charger 4A7
31024		7/25/62	Dtl Spec, Mar R flgt eqp, L-band transponder subsys, L-band filter 2A9
31028 <sup>a</sup>		11/30/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, power switching and logic
31029 <sup>a</sup>		11/27/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, booster-regulator power amplifier 4A4
31030 <sup>a</sup>		12/05/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, booster-regulator oscillator 4A1
31031 <sup>a</sup>		11/27/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, synchronizer supply 4A6
31032 <sup>a</sup>		11/27/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, 2.4-kc power amplifier 4A9
31033 <sup>a</sup>		11/30/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, 400-cps power amplifier
31034 <sup>a</sup>		12/03/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, charger 4A7
31035 <sup>a</sup>		12/07/62	Dtl Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply sys, Case V
31063	-A	11/26/62	Dtl Spec, Mar R flgt eqp, CC&S, unit 5
31090	-B	12/14/62	Dtl Spec, Mar R flgt eqp, communications transponder, 20-cps, L-band, Mark II, 2A1-2A2
31115	-A	10/16/62	Dtl Spec, Mar R flgt eqp, Mark II transponder, 10-mc bandpass crystal filter
31157		11/21/62	Dtl Spec, Mar R flgt eqp, L-band communications subsys, tricavity amplifier, planar triode
31160		11/15/62	Dtl Spec, Mar R and Mar flgt eqp, L-band transponder subsys, X-16 frequency multiplier

<sup>a</sup> This specification is partially applied to Mariner R 1964.

## D. Mariner R Test Specifications

Number	Revision	Date released	Document
30247	-A	6/13/62	Test Spec, Mar R flgt eqp, S/C sys and subsys harness assems and subassemblies, unit 9
30250	-A	11/28/62	Envir Spec, Mar R and Mar C flgt eqp, type approval test requirements, assem level
30254	-A	10/12/61	Envir Spec, Mar R structural qualification test requirements
30256		1/22/62	Envir Spec, Mar R flgt eqp, environmental test requirements for composite S/C
30259		3/20/62	Envir Spec, Mar R flgt eqp, environmental test requirements for composite S/C, less-than-optimum vacuum temperature tests
30498	-A	10/25/61	Test Spec, Mar R flgt eqp, power supply subsys solar panel structure
30581		2/13/62	Test Spec, Mar R flgt eqp, S/C electronics, antenna electronics subassem 7A13
30804		2/09/62	Test Spec, Mar R flgt eqp, power supply sys, solar panel assem 4A11, 4A12
30835		5/16/62	Test Spec, Mar R flgt eqp, attitude control subsys, long-range Earth sensor 7A10
30837	-A	10/23/62	Test Spec, Mar R flgt eqp, attitude control subsys, switching amplifier and internal logic subassem 7A1B (replaced by JPL Spec 30942)
30842	-A	2/13/62	Test Spec, Mar R flgt eqp, attitude control subsys, gyro control electronics 7A2
30843		6/27/62	Test Spec, Mar R flgt eqp, attitude control sys, accelerometer and electronics 7A3
30853		8/22/61	Test Spec, Mar flgt eqp, S/C structure, Earth antenna yoke and hinge structure
30855		8/22/61	Test Spec, Mar flgt eqp, S/C structure, planetary horizontal platform



## D (Cont'd)

Number	Revision	Date released	Document
30858		10/18/61	Test Spec, Mar R flgt eqp, temperature control subsys, louver temperature control
30860		12/06/61	Test Spec, Mar R flgt eqp, autopilot electronic subassem 7A4
30865		10/20/61	Test Spec, Mar R flgt eqp, L-band transponder subsys, command directional coupler
30868	-A	7/24/62	Test Spec, Mar R flgt eqp, L-band transponder subsys, L-band filter 2A9
30870		9/28/61	Test Spec, Mar R flgt eqp, L-band transponder subsys, directional antenna rotary joint subassem 2A8
30874		9/11/61	Test Spec, Mar flgt eqp, L-band transponder subsys, transformer-rectifier 2A14, 2A15
30884		10/19/61	Test Spec, Mar R flgt eqp, midcourse and approach propulsion sys, pneumatic regulator
30887	-A	5/07/62	Test Spec, Ranger A5 and Mar R flgt eqp, S/C structure, antenna actuator
30888		10/20/61	Test Spec, Mar R flgt eqp, L-band transponder subsys, circulators and power monitors, Mark I
30896		10/26/61	Test Spec, Mar R flgt eqp, attitude control subsys, celestial relay and power subassem 7A19
30897	-B	12/20/61	Test Spec Mar R scientific instruments, scientific power switching unit 20A1
30898	-A	9/26/62	Test Spec, Mar R flgt eqp, L-band transponder subsys, transformer-rectifier 2A4, Mark II
30900	-B	3/26/62	Test Spec, Mar R flgt eqp, power supply sys, Case V
30901	-B	3/26/62	Test Spec, Mar R flgt eqp, power supply sys booster-regulator power amplifier 4A4
30902	-A	4/11/62	Test Spec, Mar R flgt eqp, scientific instruments, cosmic dust detector 24A1
30903	-C	3/26/62	Test Spec, Mar R flgt eqp, power supply subsys, power switching and logic 4A1
30904		11/16/61	Test Spec, Mar R flgt eqp, midcourse propulsion sys, system test requirements
30906		11/15/61	Test Spec, Mar R flgt eqp, telemetry sys, data encoder
30907	-B	8/31/62	Test Spec, Mar R flgt eqp, CC&S
30908	-A	1/11/62	Test Spec, Mar R combined unit, S/C adapter and shroud
30910	-A	6/13/62	Test Spec, Mar R flgt eqp, attitude control sys, Sun sensors 7A14, 15, 25, 26, 27, 28
30911	-A	6/13/62	Test Spec, Mar R flgt eqp, attitude control sys, Sun gate 7A31
30912	-A	12/29/61	Test Spec, Mar R flgt eqp, scientific instruments, infrared radiometer 27A1, and infrared calibrator 27A2
30913		11/28/61	Test Spec, Mar R, L-band transponder subsys
30914		11/14/61	Test Spec, Mar R flgt eqp, pyrotechnic subsys, primer chamber assem
30916		11/09/61	Test Spec, Mar R scientific instruments, microwave radiometer unit 21
30917		11/17/61	Test Spec, Mar R scientific instruments, solar plasma unit 23
30919		11/27/61	Test Spec, Mar R scientific instruments, data conditioning sys 20A2
30920	-A	11/02/61	Test Spec, Mar R scientific instruments, particle flux detector 25A1
30921	-A	1/12/62	Test Spec, Mar R scientific instruments, cosmic ray ionization chamber 26A1
30922	-A	10/03/62	Test Spec, Mar R flgt eqp, L-band transponder subsys, circulators and power monitors, Mark II
30924		11/27/61	Test Spec, Mar R flgt eqp, L-band transponder subsys, junction box and antenna transfer switch
30930		12/13/61	Test Spec, Mar R flgt eqp, command subsys
30931		12/04/61	Test Spec, Mar R flgt eqp, L-band transponder subsys omnidirectional antenna
30932		12/06/61	Test Spec, Mar R flgt eqp, L-band transponder subsys, command antennas
30933		3/19/61	Test Spec, Mar R, pyrotechnic control subassem 8A1
30935		12/14/61	Test Spec, Mar R L-band transponder subsys, high-gain directional antenna
30940	-A	9/28/62	Test Spec, Mar R flgt eqp, attitude control gas actuator sys, pneumatic regulator
30942		12/18/61	Test Spec, Mar R flgt eqp, attitude control subsys, switching amplifier and internal logic subassem 7A18
30943		12/29/61	Test Spec, Mar R flgt eqp, attitude control gas actuator sys, pressure vessel
30946	-A	6/15/62	Test Spec, Mar R flgt eqp, ESB model 201 battery
30950		1/31/62	Test Spec, Mar R flgt eqp, pyrotechnic subsys, arming switch assem
30963		3/02/62	Test Spec, Mar R flgt eqp, solar panel actuator, linear
30964		5/23/62	Test Spec, Mar R flgt eqp, radiometer scan actuator 21A2
31036 <sup>a</sup>		12/03/62	Test Spec, Mar R-3, 4, 5, 6, 7 flgt eqp, power supply subsys, power switching and logic 4A1
31064		8/22/62	Test Spec, unit accept, Mar R flgt eqp, CC&S central clock subassem 5A1
31065		8/24/62	Test Spec, unit accept, Mar R flgt eqp, CC&S launch counter subassem 5A2
31066		8/27/62	Test Spec, unit accept, Mar R flgt eqp, CC&S end counter subassem 5A3
31067		8/24/62	Test Spec, unit accept, Mar R flgt eqp, CC&S maneuver clock subassem 5A4
31068		8/24/62	Test Spec, unit accept, Mar R flgt eqp, CC&S maneuver duration subassem 5A5
31069		8/23/62	Test Spec, unit accept, Mar R flgt eqp, CC&S address register and maneuver duration output 5A6
31070		8/24/62	Test Spec, unit accept, Mar R flgt eqp, CC&S input decoder subassem 5A7
31071		8/24/62	Test Spec, unit accept, Mar R flgt eqp, CC&S transformer-rectifier subassem 5A8

<sup>a</sup> This specification is partially applied to Mariner R 1964.



## E. Mariner R General Specifications

Number	Revision	Date released	Document
30225		3/03/61	Genl Spec, S/C Operations Bldg, AMR Assembly and Checkout Facility for NASA/JPL Mariner S/C Program
31088		9/24/62	Genl Spec, Mar R flgt eqp, electronic packaging
31141		11/01/62	Genl Spec, Mar R flgt eqp, installation of electronic subassemblies

## F. Mariner R Process Specifications

Number	Revision	Date released	Document
20505		11/05/62	Proc Spec, Mar R flgt eqp, installation of case harness, interconnect subassemblies
20507		11/22/61	Proc Spec, Mar R flgt eqp, electrical cabling and interconnection
30219	-A	2/20/61	Proc Spec, Mar flgt eqp, nickel plating, (electro-deposited) for magnesium subchassis
30271		10/08/62	Proc Spec, Mar R flgt eqp, potting of ends of wet foil, tantalum capacitor GE29F2397 G3, 100 v, 7.5 mf, plus or minus 3% and matched to plus or minus 2%
31056	-A	9/09/62	Proc Spec, Mar R flgt eqp, fabrication CC&S
31057	-A	8/28/62	Proc Spec, Mar R flgt eqp, CC&S harness fabrication test and encapsulation







## Supplement III

### Mariner R 1964 Equipment List

Prior to cancellation of the *Mariner R* Project, the components listed below had been designated as flight equipment for *Mariner R* 1964.

#### Equipment List

Reference designation	Component	Reference designation	Component
2A1	Transponder subsystem	2W1	Coax command antenna
2A2	Transponder I	2W2	Coax command antenna
2A3	Transponder II	2W3	Coax command antenna
2A4	RF amplifiers	2W4	Coax directional antenna
2A5	L-band transformer-rectifier	2W5	Coax directional antenna
2A6	Junction box	2W6	Coax omniantenna
2A9	Circulator and power monitor		Command subsystem
2W7	Filter	3A1	Detector A
2W8	L-band coax	3A2	Detector B and transformer-rectifier
2W9	L-band coax	3A3	Decoder
2W10	L-band coax		Power subsystem
2W11	L-band coax	4A1	Power switching, logic, and oscillator
	Antenna subsystem	4A4	Booster-regulator power amplifier
2A10	Omniantenna	4A6	Power synchronizing supply
2A11	Directional antenna	4A7	Battery charger
2A12	Rotary joint	4A8	400-cps power amplifier
2A13	Command antenna	4A9	2400-cps power amplifier
2A14	Command antenna	4A11	Solar panel
2A15	Power splitter	4A12	Solar panel
		4A14	Battery



## Equipment List (Cont'd)

Reference designation	Component	Reference designation	Component
4TT1	Mass moment ballast		Gas regulator thermal shield
4TT3	Temperature transducers		Gas regulator thermal shield cover
	Solar panel 4A11		Nitrogen bottle thermal shield (A)
	Solar panel 4A12		Nitrogen bottle thermal shield (F)
	Solar panel actuator		Directional antenna yoke
	Solar panel actuator		Pyrotechnics
	Central computer and sequencer (CC&S)	8A1	Pyrotechnic control
5A1	Central clock	8SQ1	Squib: 4A11 pin puller
5A2	Launch counter	8SQ2	Squib: 4A11 pin puller
5A3	End counter	8SQ3	Squib: 4A11 pin puller
5A4	Maneuver clock	8SQ5	Squib: 4A12 pin puller
5A5	Maneuver duration and acceleration integrator	8SQ6	Squib: 4A12 pin puller
5A6	Address register and maneuver output	8SQ7	Squib: 4A12 pin puller
5A7	Input decoder	8SQ8	Squib: radiometer pin puller
5A8	CC&S transformer-rectifier	8SQ10	Squib: fuel valve open
	Data encoding subsystem	8SQ11	Squib: fuel valve shut
6A1	Low-level comparator, isolation and output amps	8SQ12	Squib: oxidizer valve open
6K1	Commutator decks A, B, C, D	8SQ13	Squib: nitrogen valve open
6K2	Commutator decks E, F, and signal conditioning	8SQ14	Squib: nitrogen valve shut
6MT1	Analog-to-digital converter	8SQ21	Squib: 4A11 pin puller
6MT2	Pseudo-noise generator and frequency counter	8SQ22	Squib: 4A11 pin puller
6MT3	Transfer register	8SQ23	Squib: 4A11 pin puller
6MT4	Blip registers	8SQ25	Squib: 4A12 pin puller
6TR1	Encoder transformer-rectifier	8SQ26	Squib: 4A12 pin puller
	Attitude control subsystem	8SQ27	Squib: 4A12 pin puller
7A1	Control gyros	8SQ29	Squib: radiometer pin puller
7A2	Control gyro electronics and capacitor	8PP1	Solar panel pin puller
7A3	Accelerometer and electronics	8PP2	Solar panel pin puller
7A4	Autopilot amplifier and integrator	8PP3	Solar panel pin puller
7A5	Jet vane actuator, +Y yaw	8PP5	Solar panel pin puller
7A6	Jet vane actuator, -Y yaw	8PP6	Solar panel pin puller
7A7	Jet vane actuator +X pitch	8PP7	Solar panel pin puller
7A8	Jet vane actuator -X pitch	8PP8	Solar panel pin puller
7A10	Long-range Earth sensor	8MS11	4A11 unfold sensor
7A11	Antenna drive actuator	8MS12	4A12 unfold sensor
7A13	Antenna servo electronics	8MS15	Pyrotechnic arming switch
7A18	Switching amplifier and logic	8MS16	Pyrotechnic arming switch
7A19	Celestial relays and power		Spacecraft wiring
7A20	Nitrogen pressure transducer	9W1	Ring harness
7A25	Yaw Sun sensor	9W2	L-band harness
7A26	Pitch Sun sensor	9W3	Command harness
7A27	Yaw Sun sensor	9W4	Power switching and logic harness
7A28	Pitch Sun sensor	9W5	CC&S harness
7A28	Secondary Sun sensor	9W6	Encoder harness
7A29	Secondary Sun sensor	9W7	Attitude control harness
7A31	Sun gate sensor	9W8	Main pyrotechnic harness
7A14	Attitude control gas system	9W9	Power harness
	Pitch and roll attitude jets and valves	9W10	Motor pyrotechnic harness
	Pitch and roll attitude jets and valves	9W11	Motor instrumentation harness
	Yaw attitude jets and valves	9W12	Motor control harness
	Yaw attitude jets and valves	9W13	Earth sensor and antenna hinge cable
	Nitrogen bottle and mount	9W14	Motion sensor harness
	Nitrogen bottle and mount	9W20	Science E/AI harness
	Nitrogen gas	9W21	Science signal harness
	Nitrogen regulator	9W22	Magnetometer cable
	Tubing, fittings and cabling	9W23	Science power harness



## Equipment List (Cont'd)

Reference designation	Component	Reference designation	Component
9W24	Science DCS harness		Case III thermal shield
9W32	Tunnel diode cable		Side thermal shield, bay I
9W30	Radiometer harness		Side thermal shield, bay II
9W31	Radiometer channel 2 harness		Side thermal shield, bay III
9W34	Radiometer channel 1 harness		Side thermal shield, bay IV
9W40	54-v 2400-cps harness		Side thermal shield, bay V
	Propulsion		Side thermal shield, bay VI
	Propellant		Lower thermal shield
	Propellant reserves and holdup		Antenna drive Sun shade
	Nitrogen		Case II louvers
	N <sub>2</sub> O <sub>4</sub> oxidizer		Battery louvers
	Fuel tank		Structure
	Nitrogen tank		Omniantenna support
	Nitrogen regulator		Top truss section
	Frame, shielding and structure		Upper solar panel latch plate
	Ignition cartridge (dry)		Middle truss section
	Propellant valve		Scan actuator support
	Bladder		Bottom truss section
	Nitrogen filter		Panel 4A11 upper rod end
	Nitrogen blocking valve		Panel 4A12 upper rod end
	Tubing and fittings		Panel 4A11 upper tie link
	Jet vane 1 (Yaw)		Panel 4A12 upper tie link
	Jet vane 2 (Yaw)		Panel 4A11 link restrainer
	Jet vane 3 (Pitch)		Panel 4A12 link restrainer
	Jet vane 4 (Pitch)		Mounting bracket 8PP2
	Motor and catalyst		Lower SP tie rod end (A)
10PT1	Propellant tank pressure transducer		Lower SP tie rod end (B)
10PT2	Motor nitrogen tank pressure transducer		Lower SP tie rod end (D)
10TT1	Propellant tank temperature transducer		Lower SP tie rod end (E)
10TT2	Motor nitrogen tank temperature transducer		Lower SP tie link (A)
	Thermal control		Lower SP tie link (B)
	Upper thermal control shield blanket		Lower SP tie link (D)
	Upper shield support structure		Lower SP tie link (E)
	Upper shield support structure insert		Mounting bracket 8PP1
	PS&L Awning, bay I		Mounting bracket 8PP3
	Louver housing awning, bay IV		Mounting bracket 8PP5
	Particle flux detector Sun shade		Mounting bracket 8PP7
	Case IV, louver 1		Primary hex structure
	Case IV, louver 2		K-brace tube (A)
	Case IV, louver 3		K-brace tube (B)
	Case IV, louver 4		K-brace tube (C)
	Case IV, louver 5 (with mirror)		K-brace tube (D)
	Case IV, louver 6		Primary Sun sensor spacer (B)
	Case IV, louver 7		Primary Sun sensor spacer (C)
	Case IV, louver 8		Primary Sun sensor spacer (E)
11TT1	Louver position transducer		Primary Sun sensor spacer (F)
	Temperature transducers		Spacecraft antenna support (A)
11TT1	Case I		Spacecraft antenna support (B)
11TT2	Case II		Spacecraft antenna support (C)
11TT3	Case III		Spacecraft antenna support (D)
11TT4	Case IV		Spacecraft antenna support (E)
11TT5	Case V		Spacecraft antenna support (F)
11TT6	Leg C		Case I
	Case I thermal shield		Case II
	PS&L thermal shield		Case III



## Equipment List (Cont'd)

Reference designation	Component	Reference designation	Component
	Case IV		Microwave radiometer
	Case V	21A1	Radiometer dish
	Case IV gyro cover	21A2	Radiometer scan actuator
	Cable clamps and standoffs	21A3	8.5-mm channel
	Connector bracket (A) 9W14	21A4	33-mm channel
	Connector bracket (C) 9W13	21A5	Calibration noise source
	Lower 9W22 bracket	21A6	Power supply
	Clamp bracket 9W4		Thermal shield
	Umbilical connector support bracket (B)		Helium vapor magnetometer
	Umbilical connector support bracket (D)	22A1	Magnetometer sensor
	LMSD Spin-off reaction bracket (B)	22A2	Magnetometer electronics and power
	LMSD Spin-off reaction bracket (D)	22A3	Magnetometer electronics
	Earth sensor vertical damper		Solar plasma experiment
	Earth sensor horizontal damper	23A1	Plasma electrometer
	Rotary joint cap	23A2	Plasma programmer
	Rotary joint torque reaction post	23A3	Plasma sweep and transformer-rectifier
	Radiometer support bearing	23A4	Shorting plug
	Solar panel hinge rod end (A)		Particle flux detector
	Solar panel hinge rod end (D)	25A1	Particle flux detector
	Solar panel hinge rod end (E)		Anton 213 Sun shield
	Screws		Infrared radiometer
	Science	27A1	IR radiometer
	Data conditioning system	27A1	IR calibrator
20A1		27A1	Thermal shield
20A2			Science power switching
20A3			Science power switching
20A4		40A1	Ultraviolet photometer
20A5			UV photometer
20A6		45A1	



## Supplement IV

### Summary of *Mariner R* Engineering Change Requirements

This Supplement presents a summary of *Mariner R* design changes which were effected or approved by means of formal documents known as Engineering Change Requirements (ECR). The tabulation in subsection A includes those changes actually made under ECR directives during the course of *Mariner R* 1962 design and development. Summarized in subsection B are design

changes for *Mariner R* 1964 which were approved by ECR documentation, but were not necessarily completed before program termination.

The arrangement of entries in each tabulation is based on the numerical sequence of reference designations for the various components affected by the change orders.

#### A. *Mariner R* 1962 Engineering Change Requirements

Reference designation	Component	ECR No.	Engineering Change Requirement
2A1	Transponder	4825	Change value of components in transponder lowpass-loop filter to make transponder command-modulation output circuit compatible with command input circuit.
		4860	Change modulation sensitivity of transponder to make it compatible with data encoder output level.
2A5	Junction box	4502	Change internal wiring to dc power return so that it leads to chassis ground.



## A (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
2A6	Circulator and power monitor	4862	Add choke to reduce RF pickup in directional power monitor when operating on omnicaity with shroud in place.
		5162	Correct callout of connector on drawing after design freeze date.
2A9	L-band filter	4859	Lock tuning slugs by potting to preclude vibration loosening and detuning, which occurred during type approval (TA) testing.
2A10	Omnidirectional antenna	4780	Reinforce supporting buttresses. (A flight-type omniantenna failed by breaking at the buttresses during a spacecraft TA shake test. An antenna reinforced as above survived the same test.)
		4776	Drill holes in cylinder support to allow trapped gases to escape. (During flight-approval (FA) testing of an omniantenna, cracks appeared in the cylinder support under vacuum conditions due to trapped air.)
2A11	Directional antenna	5089	Add damper between antenna and antenna yoke. (Antenna torsional resonance will cause autopilot instability during the midcourse motor firing unless resonance is damped.)
2W3 2W4 2W5 2W6	L-band coax cables		Pot connectors to cables. (Proper clamping to prevent rotation of the cable in the connector was not attained because of the cold flow of Teflon dielectric.)
3A1	Command detector A	4826	Change circuit data sheets to show correct connections of interface with data encoder.
		4830	Adjust detector VCO to 2 $f_s$ nominal to allow for VCO drift and provide zero static phase error during operation.
		4831	Modify gate which provides delay of approximately 5 $\mu$ sec, in order to eliminate digital race problem existing in command detector monitor telemetry measurement.
		4832	
		4828	Raise subassembly connectors to give extra space needed in each subassembly for internal harness.
3A3	Command transformer-rectifier (T-R)	4827	Reverse keying of connector called out in drawing, in order to correct documentation.
4A1	Power switching and logic (PS&L)	4918	Remove isolation diodes in series with solar panels to pick up needed power.
		5090	Counterbore 4 attach holes to facilitate fabrication of parts.
		5128	Add thermal shield for proper thermal control.
		4921	Modify battery drain-measurement circuit to improve accuracy.
4A4	Booster regulator	4907	Isolate telemetry temperature transducer from chassis to forestall shorting of transducer.
		4911	Exchange TI 2N336 transistors for GE components having needed characteristics.
4A8	400-cps power amplifier	4902	Change connections to convert from 3-phase to 1-phase operation when gyros are off.
		4911	Exchange relay for one with higher contact rating to eliminate arcing problems.
4A11	Solar panel	4905	Change connections to solar panel to allow checkout and to change shield ground.
		4913	Connect reference cells in redundant manner used for switching logic in event of sharing mode.
		5030	Add solar sail to balance solar-pressure torques.



## A (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
4A12	Solar panel	4905	Change connections to solar panel to allow checkout and to change shield ground.
		4919	Increase solar panel area to preclude power sharing.
		5033	Change latch plates to accommodate countersunk screws required for clearance of panel extension.
4A14	Battery	4920	Add short-circuit protection of battery monitor routed through umbilical connector.
		4926	Add diode for isolation of ground support equipment (GSE) connection to battery.
		4927	Reduce energy-storage capacity to 60% of original Mariner A battery design.
		4928	(Mariner R reduced power requirements, as compared with Mariner A, permit reduction in battery capacity and weight.)
5A1	Central clock	4953	Change value of capacitor to shorten marginal pulsewidth.
		4955	Remove printed-circuit strap and replace with jumper wire to eliminate capacitance introduced at sensitive flip-flop.
5A3	End counter	4515	Change value of capacitor to clean up event blip leading to event counter in data encoder.
5A7	Input decoder	4951	Change source voltage on interface circuit to make interface document consistent with mechanization.
5A8	Central computer and sequencer (CC&S) T-R	4952	Change diodes to components having higher peak-inverse-voltage (PIV) rating, consistent with circuit operation.
		4954	Add relay for backup command of solar panel erection and radiometer unlatch, Sun acquisition, and Earth acquisition.
		4956	Add diode for protection from external shorts.
6K1	Commutator decks A, B, C, D	4854	Change range of AGC coarse measurement to give more informative data.
6MT2	Pseudo-noise (PN) generator and frequency counter	4810	Delay leading edge of pulses sent to data conditioning system (DCS) to eliminate incompatibility.
6MT3			
6MT4	Blip register	4807	Interchange two wires to correct inadvertent transposition.
		4814	Change value of input-filter components to give reliable event counter triggering.
		4815	Add capacitor to filter noise introduced on command lines into data encoder.
		4819	Delete events and add filtering to eliminate excessively noisy signals.
		4824	Remove components and add jumpers to eliminate incompatibility with command detector monitor and command events.
		5104	Change inputs from pyrotechnics to eliminate noise problems in event registers.
7A1	Control gyros	4526	Add two current-limiting resistors in spin-motor lines to limit peak-current surges at gyro turn-on.
7A2	Control gyro electronics	4883	Increase scale factor of telemetry output for pitch- and yaw-rate measurements to increase sensitivity during acquisition.
		4878	Change type of transistors to eliminate variations in VCO.



## A (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
7A4	Autopilot amplifier integrator	4886 4893	Remove filters and change yaw-autopilot gain to prevent structural resonances causing autopilot instability.
7A10	Long-range Earth sensor	4877 4881 4880 4882 4887 4987	Change diode type to decrease noise sensitivity.  Change screw-type cover to eliminate interference.  Secure internal-lens-element locking rings with Tuf-on varnish to provide for proper mounting.  Correct prints to conform to flight units.  Cut slot in baffle-box flange to eliminate interference with Earth seeker.
7A13	Antenna servo electronics	4879  4888  4902	Add capacitor at input of drive amplifier to eliminate power consumption and actuator noise at null.  Change capacitor value to eliminate power consumption of update servo during cruise portion of flight.  Furnish signal to PS&L to convert 400-cps 3-phase operation to 1-phase when gyros are off.
7A19	Celestial relays and power	4889	Add relay to provide switching of attitude control power at load to eliminate power transient and enable data encoder to remain in lock when AC5A is set.
7A25 7A26 7A27 7A28 7A31	Primary Sun sensors and Sun gate	4890	Increase thickness of terminal board to prevent loosening of terminals during soldering process at installation of sensors on spacecraft.
7A29	Secondary Sun sensors	4884	Change reference designations. (Ranger reference designations are hot-stamped on units.)
7A30	Secondary Sun sensor  Attitude control gas system	4892 4891  5082  4528	Change Sun sensor to accommodate increase in solar panel area.  Add temperature transducer to insure accurate temperature measurements during charging operations and leak testing.  Relocate plumbing in area of support C to prevent interference when hex-box 3 is folded down.  Add bushing support to top bottle-bracket attachment. (Spare unit failed in shipment to AMR.)
8A1	Pyrotechnic control	5101 5104	Correct circuit data sheets to show updated and omitted signals.  Change circuit to give noise-free signals to data encoder event counter.
8MS1 8MS2 8MS5 8MS6 8MS7 8MS9	Motion sensors	5102	Provide two conductors from parallel-pin-puller motion-sensing switches through separation connectors to permit blockhouse monitoring.
9W1	Ring harness	4522	Change connection of wire to prevent GSE umbilical-shield return from mingling with encoder-shield return, and to avoid coupling interference fields into spacecraft.



## A (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
9W1 (cont'd)	Ring harness	4516	Interpose two wires to put RTC-2 and RTC-3 on proper attitude control channels.
		4524	Change gender of separation connectors to forestall possibility of pins shorting together during separation.
		4551	Add connector between ring harness and motion-sensor harness to ease difficult fabrication problem.
		4559	Interchange chassis ground connections of battery to eliminate incompatibility between ring harness and battery.
		4562	Interchange attitude control (A/C) nitrogen-pressure excitation and A/C nitrogen-pressure signal for correct functioning of nitrogen transducer.
		4735	Add wire and eliminate connection so that cruise science is turned on and off by RTC-8 and RTC-10, rather than by battery-sharing logic.
		4812	Provide shield ground for Earth sensor and plasma temperature transducers which was eliminated when plasma experiment was insulated.
		4876	Add hinge angle command lines through umbilical to attitude control to enable hinge reference angle to be set properly prior to launch.
		4902	Change connection to accommodate switching between 400-cps 1-phase and 3-phase operation.
		4912	
		4913	
		4903	Add wire to permit turning off science when power sharing occurs.
		4906	Add shielding to wires from sensing solar cells to eliminate noise-pickup problem.
		4916	Change value of 2400-cps monitor isolation resistors to decrease susceptibility to capacitive change of catenary cable.
		4954	Add two wires to accommodate addition of two backup commands for solar pane erection and radiometer unlatch, Sun acquisition, and Earth acquisition.
		5104	Change connection of wires to accommodate change in event circuitry of pyro-technic control subassembly.
		4805	Add shielded wire to data encoder umbilical function to provide for event counter reset.
		4560	Change from Deutsch to Bendix connectors to prevent poor pin retention from becoming an insurmountable problem.
		4910	Change connection of battery charge line to provide for proper isolation.
		4915	Add two wires in ring harness to provide for hardline monitoring of battery temperature on pad.
9W2	L-band harness	4555	Interpose two wires to correct documentation error.
		4560	Change from Deutsch to Bendix connector to prevent poor pin retention from becoming an insurmountable problem.
		4874	Interpose two wires to correct error.
		4852	
9W3	Command harness	4824	Change connections in harness to accommodate correction of incompatibility with command detector monitor and command events.
		4560	Change from Deutsch to Bendix connector to prevent poor pin retention from becoming an insurmountable problem.



## A (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
9W4	Power switching and logic harness	4905	Change wire routing to accommodate changes in solar panel which allow checkout.
9W5	CC&S harness	4756	Change wire routing to accommodate changes made to solve interface problem between DCS and CC&S.
		4954	Add wiring to accommodate addition of Earth acquisition, Sun acquisition, and solar panel erection backup commands.
		4560	Change from Deutsch to Bendix connectors to prevent poor pin retention from becoming an insurmountable problem.
9W6	Encoder harness	4576	Change shield connections to eliminate ground loop between ac shield return and signal return.
		4809	Redesign and refabricate encoder harness to accommodate relay layout of modules, necessary because of interference between subassemblies.
		4810	Add wire to accommodate change which corrects data encoder incompatibility with DCS.
		4917	Delete and add wire to put battery current-drain measurement on high-rate deck.
		4805	Add shielded wire to provide event counter resetting from blockhouse.
		4804	Change routing of wire to provide amplification of frame sync.
		4802 4803	Change routing of several wires to eliminate loading and crosstalk.
		4560	Change from Deutsch to Bendix connectors to prevent poor pin retention from becoming an insurmountable problem.
9W7	Attitude control harness	4574	Delete tiedown of shield to eliminate ground loop between ac shield return and signal return.
		4876	Add two wires to provide hinge angle commands from blockhouse.
		4560	Change from Deutsch to Bendix connectors to prevent poor pin retention from becoming an insurmountable problem.
9W13	Earth sensor and antenna hinge cable	4561	Replace irradiated-polyolefin-insulated wire with Teflon-insulated wire. (Tests indicate irradiated polyolefin wire will become stiff when subjected to high temperature.)
9W20	Science case harness	4630	Remove spare wire as potential noise source.
		4650	Change nomenclature of signal callouts for correct description of circuit function.
		4728	Add wires to provide capability of resetting science on relay.
		4753	Change pin allocations to correct interconnection problem which arose during packaging of DCS.
		4755	Change shield and wire connections to eliminate ground loop and to distribute science on-off function.
		4757	Change connection of two wires to correct interface problem between CC&S and DCS.
		4976	Change function callout of wires running between radiometer scan actuator and DCS.
		4560	Change from Deutsch to Bendix connectors to prevent poor pin retention from becoming an insurmountable problem.



## A (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
9W24	Science DCS harness	4755	Change shield and wire connections to eliminate ground loop and to distribute science on-off function.
9W27 9W29	Radiometer cables	4578	Add cable to accommodate corrections for temperature-drift problems.
9W30	Radiometer harness	4576	Add ground wire to provide chassis ground.
		4577	Add wires and change connections to accommodate corrections for temperature-drift problems.
9W31 9W34	Radiometer channels 1 and 2 harness	4552	Add coaxial cable to allow easier fabrication of radiometer harness.
	Midcourse motor	5151	Increase propellant loading from 8.5 to 9.4 lb to increase midcourse correction capability to 45 m/sec.
	Temperature control	5086	Install Sun shade to shade particle flux detector tubes.
20A1	Science power switching	4729	Correct drawing to indicate proper fabrication step.
		4732	Add capacitors to eliminate noise pulses generated in scan actuator.
		4731	Change internal connection to permit return to normal cruise operation after encounter sequence.
		4733	Add T-R unit and remove capacitors to give proper radiometer scan actuator control with noise interference present.
		4735	Add relay to give command capability for turning cruise science on and off.
		4736	Change internal connection to prevent switching transients from welding relay contacts.
20A21	Data conditioning system (DCS)	4756 4757	Connect jumper to solve interface problem between DCS and CC&S.
		4762	Increase collector voltage from 6 to 12-v in magnetometer calibrate pulse inverters to overcome marginal operation.
		4976	Add three planetary-scan control functions to correct documentation.
20A22	Data conditioning system	4527	Add noise filters to radiometer-scan limit-switch lines to decrease noise which caused erroneous scan-direction-change command.
		4758	Add resistance and diodes to isolate cable capacitance from DCS radiometer-scan-control direction flip-flop.
		4759	Add flip-flop and wiring changes to allow longer integration of radiometer.
		4760	Make wiring change to solve clockwise and counterclockwise (CW-CCW) scan-control problem.
		4763	Connect diodes to insure proper state of CW-CCW relays in science power switching at power-on.
		4764	Change wiring connections to correct quality control problem.
		4767	Remove resistor to provide more base drive to reset inverter.



## A (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
20A24	Data conditioning system	4759	Add flip-flop to provide longer inhibit of scan-control circuitry during radiometer calibration.
		4761	Disconnect one flip-flop and two diodes to decrease possibility of inadvertent radiometer calibrations at start of slow scan.
		4762	Increase base drive to inverter input that generates magnetometer pulse 2 (present drive is marginal).
		4763	Remove resistors from CW-CCW relay-driven collectors to decrease noise sensitivity.
		4764	Change wiring connections to correct quality control problem.
		4765	Change internal wiring to provide for proper logic condition at power turnon.
20A25	Data conditioning system	4766	Install pulse-shaping amplifier to provide properly shaped 2400-cps pulse used in counting circuitry.
21A1	Microwave radiometer dish	4579	Add RF shielding to decrease interference from 960-mc output from L-band.
		5087	Add RF transparent guide on front of radiometer to insure that shroud will not hang up on reference horn at shroud ejection.
21A2	Radiometer scan actuator	4627	Invert two wires to correct drawing error.
		4976	Add functions to correct documentation.
		4980	Redesign switch lever and spring to prevent repeated damage such as that which has occurred during testing.
22A2	Magnetometer electronics and power	4603	Add two diodes to provide isolation of circuits from DCS.
		4616	Delete wire to eliminate unnecessary function.
		4648	Add filter to eliminate reflected ringing on 2400-cps line.
		4649	Remove diodes to stop charging of capacitors.
23A1	Plasma electrometer	4677	Change position of three transistors to eliminate attenuation.
		4678	Increase current through discriminator reference diode to correct marginal operation.
		4679	Change transistors in demodulator to units less susceptible to high-voltage-spike damage.
23A2	Plasma programmer	4678	Regulate supply voltage to reduce low-frequency-modulation effects from 2400-cps power.
		4680	Change value of capacitors to correct marginal condition.
		4737	Change regulator circuitry to preclude damage of voltage transients.
25A1	Particle flux detector	4631	Open chassis ground connection to eliminate ground loop.
		4633	Change value of output resistor to correct impedance mismatch.
		4626	Apply proper thermal-control-point pattern for better temperature control.
27A1	Infrared (IR) radiometer	4702	Install mounting stud and provide access hole to simplify removal and installation of IR radiometer.



## A (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
27A1 (cont'd)	Infrared radiometer	4703	Change component values to decrease DCS loading and to obtain factor-of-2 improvement in gain.
		4706	Add magnesium strip to effect hermetic seal.
27A2	Infrared radiometer calibrator	4701	Add calibration plate to provide for calibration of IR radiometer at planet encounter.
	Structures	4548	Provide screwdriver access hole in top of shield above fill port in attitude control gas system.
		4979	Provide proper ground by attaching grounding strap from antenna yoke to spacecraft frame.
		4985	Eliminate taper and center joint in drive-output yoke assembly to decrease amplification of vibration to Earth sensor.
		5026	Rework solar panel structure to eliminate interferences and provide attachment for cable harness.
		5027	
		5028	
		5076	Move yaw-jet mounting brackets to prevent gases from impinging on top thermal shield and lower solar panel pin pullers.
		5077	Relocate pyrotechnic arming switches to prevent tumbling of spacecraft at separation.
		5078	Replace magnetic Keensert lock pins and bearings with nonmagnetic lock pins and bearings to meet magnetic-field requirements.
		5079	
		5080	Replace rivets at top solar panel tie with close-tolerance bolts. (One rivet failed on structural test model during TA test.)
		5081	Modify yaw-jet mount to eliminate interference.
		5083	Install retainer on top solar panel tie link to prevent link from dropping during periods when solar panels are extended.
		5084	Replace magnetic nuts with non-magnetic nuts to meet magnetic-field requirements.
		5085	
		5088	Modify solar panel actuator rod end to meet autopilot resonant-frequency requirements.
		5089	Add damper between antenna and antenna yoke to meet autopilot resonant-frequency requirements.
		5091	Stiffen upper solar panel support plate on superstructure. (Test plate failed during TA shake test with larger panel.)
		5092	Modify Sun sensor mounting bracket to provide proper view angle with solar sail in place.
		5126	Modify packaging drawing to correct errors and incorporate design changes.
		5127	



## B. Mariner R 1964 Engineering Change Requirements

Reference designation	Component	ECR No.	Engineering Change Requirement
2A1	Transponder I	3216	Change transistor types in amplitude detector to correct nonlinearity in AGC channel.
		3217	Change crystal filter to correct phase distortion of command modulation.
		3219	Change transistor types to obtain 2-db improvement in noise figure.
		3220	Change resistor value to handle data encoder signal input of 2 rad/v.
2A4	L-band transformer-rectifier	3221	Modify transformer to provide lower filament voltage in order to obtain longer tube life.
3A1	Command detector A	4840	Change command detector monitor out-of-lock circuitry to read "in-lock", rather than "out-of-lock".
		4841	Shift command subcarrier +90 deg in phase to eliminate spectral interference between sync and command subcarriers which can cause false lock points.
		4844	Use improved modules developed for Mariner B to take advantage of production-line experience and increased component reliability.
3A2	Command detector B	4842	Redesign command detector monitor VCO telemetry circuitry to eliminate digital race problems associated with Mariner R 1962.
		4844	Use improved modules developed for Mariner B to take advantage of production-line experience and increased component reliability.
3A3	Command transformer-rectifier	4839	Modify power transformer to increase efficiency of transformer-rectifier.
3A4	Command decoder	4843	Change type of RTC-11 switch for needed backup command function.
		4844	Use improved modules developed for Mariner B to take advantage of production-line experience and increased component reliability.
		4848	Change command decoder to issue additional event pulse indicating proper reception of quantitative command.
4A1	Power switching and logic	4937	Repackage module to incorporate following changes: replace power transistors in booster oscillator with new high-speed STC transistors to improve efficiency; redesign booster oscillator circuit to increase efficiency; change input voltage to booster oscillator from 52 v to 20 v $\pm$ 1% for improved stability; introduce RTC circuit to disconnect battery from charger; remove one panel-voltage measurement circuit (the previous two voltage measurements were redundant); replace kinetic switch with Ranger switch, in order to reduce weight and magnetic fields.
		4941	Replace Cannon D connectors with Bendix pygmy connectors to meet handling requirements.
4A4	Booster regulator	4941	Replace Cannon D connectors with Bendix pygmy connectors to meet handling requirements.
		4936	Replace power transistors in amplifier stage with new high-speed STC transistors to improve efficiency. Introduce two compensating networks for increased regulator loop stability.
4A6	Power synchronizer	4935	Replace power transistors in booster oscillator with new high speed STC transistors to improve efficiency. Replace 2N-333 and 2N-336 transistors in digital circuits with Hi-Rel 2N-910 and approved 2N-912 units. Introduce 38.4-kc $\pm$ 1% oscillator and switching circuitry to replace CC&S signal in event of failure.



## B (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
4A8	400-cps power amplifier	4938	Replace power transistors in amplifier stage with new high speed STC transistors to improve efficiency. Remove one stage of amplification (preamplifier) to increase reliability and reduce weight. Modify output transformers for delta-output connection. Remove capacitor switching circuit required for single-phase operation.
4A9	2400-cps power amplifier	4934	Replace power transistors in amplifier stage with high speed STC transistors to improve efficiency.
4A11 4A12	Solar panel	4924	Supply two solar panels, each having 15 ft <sup>2</sup> total area for <i>Mariner R 1964</i> . (The increase in surface area was necessary to provide the solar power required with (a) more design freedom, (b) more redundancy, (c) slight relaxation of cell efficiency, and (d) restoration of equal mass to the pair of solar panels, thus alleviating the autopilot problem.
		4925	Allot two telemetry channels for evaluation of solar cell characteristics: (1) solar cell short-circuit measurements (0.3 v dc); and (2) solar cell intensity measurements (0-100 mv).
		4939	Install three diodes on each panel to achieve isolation between parallel-connected sections, permitting loss of one section without effect on capability of remaining two sections.
4A14	Battery	4933	Introduce RTC to disconnect battery from flight charger, in order to: (1) remove loading on spacecraft power system which could be caused by short in battery; (2) reduce probability of battery damage caused by overcharging of remaining cells if short develops in one cell; and (3) remove long-cruise-time trickle-charge condition, which may tend to cause cell gassing.
		4940	Repackage battery cells in right-side-up position to decrease possibility of shorts.
5A1	CC&S central clock	4775	Provide 19.2-kc sync signal to DCS to permit science operation at 33-1/3-bps data rate.
		4958	Correct documentation to show removal of unnecessary resistors.
		4967	Change diode types (original types are no longer available).
		4968	Change resistor values to improve 38.4-kc output over voltage and temperature limits.
		4969	Change resistor values to improve magnetic-core driver waveforms over voltage and temperature limits.
		4970	Remove one resistor, two capacitors, and one diode to eliminate unnecessary regulation.
		4971	Change pulse circuit to obtain better pulse width.
		5105	Change excitation for pyrotechnic commands from direct battery power to cold side of arming switch to preclude issuance of inadvertent pyrotechnic commands.
		5226	Add resistor to oscillator circuits to provide better stability through temperature limits and changes in component parameters.
		5227	Change resistors to components of stable type.
5A2	Launch counter	4959	Change relays to components of more reliable type.
		4961	Mechanize present <i>Agena</i> separation clamps to include functions of present launch clamp. This change removes the clamp on CC&S relays at time of separation, not at successful activation of relay PT3A.
		5227	Change resistors to components of stable type.



## B (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
5A3	End counter	4960	Change relay to component of more reliable type.
		4963	Add test points to provide accessibility to critical circuits.
		4964	Modify encounter update circuit to preclude excessive loading of counter B+.
		5227	Change resistor to component of stable type.
5A4	Maneuver clock	4962	Change circuit design to eliminate unnecessary components.
		5227	Change resistor to component of stable type.
5A6	Address register and maneuver output	4966	Remove unused terminals to eliminate interference with wire bundles.
5A7	Input decoder	4965	Remove unused terminals to eliminate interference with wire bundles.
5A8	CC&S transformer-rectifier	4972	Add resistor and diodes to eliminate past problem of reverse current through tantalum capacitors in backup circuit.
		4974	Add relay to provide isolation for lines to GSE.
6A1	Low-level comparator, isolation and output amplifier	5308	Replace complementary-pair transistors with FSP15 units to provide better parameter matching over wide temperature ranges.
6K1	Commutator decks A, B, C, D	3223	Rearrange commutation to comply with new telemetry-channel assignment.
6K2	Commutator decks E, F, and signal conditioning	4823	Replace present bridge technique with constant-current technique for transducer excitation, in order to eliminate possibility of short to ground in one transducer line causing loss of all temperature measurement.
6MT1	Analog-to-digital converter	5310	Derive reset pulse from collectors of blocking oscillator, rather than from secondary of transformer, to provide harder drive.
6MT2	Pseudo-noise (PN) generator and frequency counter	5176	Add circuitry to prohibit an all-zero condition from locking up PN generator.
		5179	Add double-ended limiter to prevent noise from riding clock pulses, and to assure clock pulses despite power-amplitude variations.
		5193	Add capability to home encoder commutator by GSE in Mode II operation.
		5302	Change encoder to provide engineering and science readout at 8 and 33 bps.
6MT3	Transfer register	5177	Eliminate AND gating on bit sync which clocks transfer register, in order to clear transfer register of any "ones" introduced by noise pulses.
		5182	Eliminate multiple-layer diode-gating logic in event register (present design is marginal in operation).
6MT4	Event registers	5181	Modify input circuits of event counters to eliminate present noise susceptibility.
		5184	Modify command detector monitor input to preclude double triggering and, hence, incorrect VCO frequency information.
		3224	Eliminate chopper input transformer of low-level amplifier, and also eliminate some series tantalum capacitors, by changing to direct-coupled pairs. (This change simplifies the circuit and removes a series critical item that is difficult to build.)



## B (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
6TR1	Encoder transformer-rectifier	5308	Replace complementary-pair transistors with FSP15 units to provide better parameter matching over wide temperature ranges.
7A1	Attitude control gyros	4894 4899	Relocate resistors for proper installation of current-limiting resistors. Change shielding tie point to provide better shielding. Use redundant printed circuitry on both sides of board.
7A2	Control gyros electronics and capacitor	4899	Use redundant printed circuitry on both sides of board.
7A3	Accelerometer and electronics	4897 4895	Add two resistors and ground proof-mass assembly to eliminate necessity for radioactive static-discharge material. Add capacitor and resistors to improve operation at high temperature.
7A4	Autopilot amplifier and integrator	4899	Use redundant printed circuitry on both sides of board.
7A11	Antenna drive actuator	4896	Modify present actuator so as to produce an "integrated" unit, to eliminate operational problems.
7A13	Antenna servo electronics	4899	Use redundant printed circuitry on both sides of board.
7A18	Switching amplifier and logic	4899	Use redundant printed circuitry on both sides of board.
7A19	Celestial relays and power	4899	Use redundant printed circuitry on both sides of board.
7A29	Secondary Sun sensor	4900	Return configuration of Sun sensors to that used prior to addition of <i>Mariner 2</i> solar panel extension.
8A1	Pyrotechnic control	5106	Change instrumentation circuitry to permit current monitoring of all primary bridgewires.
9W1	Ring harness	5105 5278	Change wiring to permit excitation of CC&S relays commanding pyrotechnic events to come from arming switch, rather than directly from battery. Add shielding to 26-v 400-cps science power to reduce effects of pickup from 400-cps line.
9W5	CC&S harness	5105 4974	Change wiring to permit excitation of CC&S relays commanding pyrotechnic events to come from arming switch, rather than directly from battery. Change wiring to permit isolation of direct-access functions.
9W10	Motor pyrotechnic harness	5156	Relocate connector to eliminate prior "blind" hookup.
9W20	Science Electronic Assembly I (E/AI) harness	5278	Add shielding to 26-v 400-cps science power to reduce effects of pickup from 400-cps line.
9W22	Magnetometer cable	5252	Change cable to accommodate new magnetometer.
9W23	Science power harness	4746	Delete wires furnishing 400-cps power to IR radiometer (requirement no longer exists).
	Midcourse propulsion	5152 5153	Replace present fuel tank manifold-to-tank attachment to allow incorporation of metal crush gasket. Replace O-ring seals with metallic seals. Delete visual pressure "dime" gauge to eliminate a port and seal.



## B (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
	Midcourse propulsion (Cont'd)	5154	Replace present pneumatic-pressure regulator with JPL-designed regulator for significant improvement of regulation, repeatability, and reliability.
		5155	Replace present oxidizer-start slug cartridge with redesigned start cartridge to eliminate loading problems.
		5156	Relocate connectors to eliminate prior "blind" hookup.
11TT2 11TT3 11TT5	Temperature transducer assemblies	5098	Remount temperature transducer connectors on hex boxes 2, 3, and 5 to allow connectors to be easily inspected and connected, and to eliminate wire bends near connector.
20A1	Data conditioning system (DCS) I	4638	Lengthen particle flux sample time to eliminate questionable portions of data.
		4709	Include temperature measurement of additional IR radiometer calibrator plate to give calibration data during planet encounter.
		4769	Repackage DCS to alleviate present packaging congestion.
		4770	Install male connectors on all DCS trays to preclude previous manufacturing and operational problems.
		4773	Remove 7-ones eliminator from DCS logic to eliminate unnecessary complications.
		4774	Isolate all GSE connections. Modify data program to provide for more data acquisition at planet and to accommodate new complement of experiments.
		5270	Isolate all GSE connections. Modify data program to provide for more data acquisition at planet and to accommodate new complement of experiments.
		4775	Increase DCS analog-to-digital clock frequency, and provide for digital phased clock to allow operation of DCS at 33 bps.
		5260	Add wire between DCS and scan actuator to establish contacts of form C type to reduce noise fed into DCS.
		4586	Change calibration sequence to make radiometer calibration more meaningful.
20A2	DCS II	4769	Repackage DCS to alleviate present packaging congestion.
		4770	Install male connectors on all DCS trays to preclude previous manufacturing and operational problems.
20A3	DCS III	4769	Repackage DCS to alleviate present packaging congestion.
		4770	Install male connectors on all DCS trays to preclude previous manufacturing and operational problems.
20A4	DCS IV	4769	Repackage DCS to alleviate present packaging congestion.
		4770	Install male connectors on all DCS trays to preclude previous manufacturing and operational problems.
20A5	DCS V	4769	Repackage DCS to alleviate present packaging congestion.
		4770	Install male connectors on all DCS trays to preclude previous manufacturing and operational problems.
20A6	DCS transformer-rectifier	4769	Repackage DCS to alleviate present packaging congestion.
		4770	Install male connectors on all DCS trays to preclude previous manufacturing and operational problems.



## B (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
20A6 (cont'd)	DCS transformer-rectifier	4771	Install current-limiting circuit to reduce noise caused by current surge at turn-on.
		4772	Increase 2400-cps power supplied to DCS transformer-rectifier to increase noise margins and provide additional required logic.
21A1	Microwave radiometer dish	4582	Change operating wavelengths from 19 and 13.5 mm to 33 and 8.5 mm.
		4584	Redesign diplexer-feed assembly to eliminate previous cracking problem.
		4585	Redesign crystal-detector mount to reduce RF pickup and interference.
		4588	Increase off-planet time to 80 sec at reversal of scan to obtain a true baseline reading.
21A2	Radiometer scan actuator	4981	Decrease fast-scan speed. Increase output torque. Replace differential with planetary system. Replace Klaxon limit switches with Honeywell microswitches. Replace output shaft universal with metal flexure. Replace output bearings with Teflon compound sleeve bearings. (All these changes are scheduled to eliminate problems previously encountered.)
		4982	Redesign swivel joint to provide more room for assembling radiometer on spacecraft and to eliminate bearing end play.
		4989	Replace 14-pin plugs with 19-pin plugs to accommodate additional motor return and switch leads.
21A3	Radiometer 8.5-mm channel	4589	Redesign electronics to reduce phase shifts and gain fluctuations with temperature.
21A4	Radiometer 33-mm channel	4589	Redesign electronics to reduce phase shifts and gain fluctuations with temperature.
21A6	Radiometer power supply	4589	Redesign electronics to reduce phase shifts and gain fluctuations with temperature.
22A1	Magnetometer sensor	5254	Change mounting bracket to accommodate change in magnetometer type.
22A2	Magnetometer electronics and power	5251	Change electronics to conform to change in magnetometer type.
		5253	Change magnetometer outputs to DCS to correspond to change in magnetometer type.
22A3	Magnetometer electronics	5251	Change electronics to conform to change in magnetometer type.
		5253	Change magnetometer outputs to DCS to conform to change in magnetometer type.
23A1	Solar plasma electrometer	5259	Redesign instrument electronics to provide better stability and accuracy.
23A2	Solar plasma programmer	5257	Change output to DCS to provide scale-factor readout and plasma-instrument deflection voltage, permitting better correlation of collected data.
		5259	Redesign instrument electronics to provide better stability and accuracy.
23A3	Plasma sweep and transformer-rectifier	5259	Redesign instrument electronics to provide better stability and accuracy.
25A1	Particle flux detector	4635	Change transistor types to give better thermal margins.
		4636	Provide for protection against overvoltage and transients in transformer-rectifier.
27A1	Infrared radiometer	4709	Add calibration plate to obtain calibration data at encounter.
		5266	
		5262	Make circuitry modifications to allow operation at 15 v, rather than 12 v, because of microwave radiometer changes.



## B (Cont'd)

Reference designation	Component	ECR No.	Engineering Change Requirement
27A1 (cont'd)	Infrared radiometer	5263	Change basic power source from 400-cps to 2400-cps for better utilization of power.
		5264	Provide for one viewing operation, rather than two, and temperature-compensate the detector-bias supply to minimize errors caused by temperature variations and differentials.
		5265	Insulate preamplifier to eliminate hum and noise pickup.
27A2	Infrared radiometer calibration	5261	Relocate calibrator plate to accommodate different field of view.
40A1	Science power switching	4738	Replace 1N459A diodes with redundancy diode assemblies for increased reliability.
		4739	Eliminate tantalum capacitors in series with coils of DCS-controlled relays to eliminate series elements.
		4740	Switch power with two relays, rather than one, to decrease electrical stress.
		4741	Change relay types for wider voltage and temperature limits.
		4742	Remove transformer-rectifier unit and utilize dc power from DCS to operate scan-reversal relays for proper placement of transformer-rectifier.
		4743	Replace capacitor with Hi-Rel type to meet program requirements.
		4744	Remove wiring which supplies power to infrared radiometer. (This wiring is no longer required.)
		4745	Change setting of relays to allow science to turn on following gyro turnoff at completion of initial Sun acquisition.
		4749	Connect contacts 1 and 2 of relay K1 to allow cruise-science operation during calibration periods.
45A1	Ultraviolet (UV) photometer	4749	Eliminate unnecessary series diodes.
		4750	Add two relays to permit application of power to ultraviolet instrument during calibration and encounter.
	Structures	5267	Add UV photometer to complement of experiments.
		5269	Add UV photometer to complement of experiments.
		4984	Change support C to accommodate Ranger 9 integrated antenna actuator.
		5093	Eliminate locking feature in all nut plates and Keenserts; change to bolts with locking feature to provide for easier replacement of worn locking.
		5094	Modify solar panel mounting details to correct deficiencies.
		5095	Relocate cable trough stiffener to increase connector clearance.
		5096	Relocate solar panel microswitch to clear solar panel hinge boss.



## Supplement V

### Summary of *Mariner R-3* Design-Evaluation Tests

The *Mariner R* design-evaluation test series (DEV) was initiated to provide a rigorous analysis of system operation for use in the projected *Mariner R* 1964 program. Because of the stringent time limitations, such a detailed analysis had not been possible prior to the launching of *Mariner 2*.

The spacecraft employed for the DEV tests was the *Mariner R-3*, the unit assembled from the spare parts for *Mariners 1* and 2. Tests were conducted throughout the fall of 1962 and up to the date of project cancellation in January 1963. Tests in those areas applicable to other programs were continued through February of that year.

As noted in Section VIII-C, Volume I, of this Report, the overall objective of the DEV program was to obtain a maximum amount of data with minimum test effort. Among the specific objectives were: (1) to improve understanding of system interactions, (2) to investigate known or suspected spacecraft problems, (3) to explore general areas of strength and weakness in the spacecraft design, and (4) to study system performance within the dynamic working range.

This Supplement presents, in tabular form, brief summaries of the results obtained in the 18 tests performed in the DEV program.



## Test Program Summary

### DEV Test 1. Primary-Power Voltage Variation

Objectives and scope	Results and recommendations
<p>The performance degradation of each subsystem shall be evaluated as the 2400-cps voltage is decreased to 42.5 v rms and then increased to 57.5 v rms. If excessive degradation occurs in any subsystem, the voltage level at which degradation occurs shall be determined.</p> <p>A spacecraft operational sequence shall be synthesized which will assure the exercising of all spacecraft elements. The control circuit in the power subsystem, which establishes the voltage level, shall be adjusted as required to supply the voltages designated above. A minimum period of time shall be allowed for each subsystem group to evaluate the extent of degradation in each mode of spacecraft operation.</p>	<p>The data recorded in this test indicate that all subsystems, with the exception of the transponder, will accommodate wide variations of primary-power voltage. This suggests the possibility of opening the regulation tolerance on the booster regulator which, in turn, would permit circuit simplification and a reduction in the parts count.</p> <p>It is suggested, therefore, that the feasibility of introducing some regulation into the transponder transformer-rectifier unit be investigated. This change would not only permit simplification of the booster regulator, but would also provide toleration for some degradation of booster regulator performance.</p> <p>If the battery voltage were made to fall within the range of 42 to 57 v, rather than the nominal 28 v, the seriousness of a booster regulator failure would be minimized.</p>

### DEV Test 2. Data Conditioning System Cyclic Calibration Noise

Objectives and scope	Results and recommendations
<p>A test shall be performed to determine the cause of unscheduled calibrations in the data conditioning system.</p> <p>The transient monitor developed at JPL will be used to determine the presence and magnitude of transients. If the malfunction experienced on <i>Mariner 2</i> cannot be duplicated, the noise content shall be increased to determine the level at which failure occurs.</p>	<p>In this test, the cause of the <i>Mariner 2</i> unscheduled science calibrations was not determined, but a number of areas of suspicion were eliminated.</p> <p>It is recommended that the Science Data Group propose additional tests, designed to provide more positive resolution of the calibration problem.</p>



**DEV Test 3. 2.4-kc Frequency Variation**

Objectives and scope	Results and recommendations
<p>The performance degradation of each subsystem shall be evaluated as the 2400-cps primary-power frequency is decreased to 1920 cps and increased to 2880 cps. If excessive degradation is observed in any subsystem, the frequency at which it occurs shall be determined. Also, the free-running frequency of the power subsystem shall be determined when the 38.4-kc power sync is disconnected.</p>	<p>With a <math>\pm 20\%</math> variation of the 2.4-kc primary-power frequency, the communications, CC&amp;S, and command systems operated normally; the data encoder did not.</p> <p>With the 38.4-kc sync removed and the spacecraft in cruise mode, the free-running frequency of the primary power was 2077 cps when the gyros were running and 1977 cps when the gyros were inactive.</p> <p>All subsystems operated normally with a <math>\pm 1\%</math> variation of the 2400-cps power. This demonstrates that all subsystems will operate normally with the <math>\pm 1\%</math> frequency variation in the 38.4-kc backup oscillator planned for future spacecraft.</p>

**DEV Test 4. Noise Susceptibility**

Objectives and scope	Results and recommendations
<p>A quantitative noise profile of the spacecraft shall be prepared in the following manner: (1) record quantitative measurements in those areas of the spacecraft system which past experience indicates are noise sources; (2) monitor for the presence and magnitude of transients at additional selected points as the spacecraft is run through a synthesized sequence which exercises the monitored elements in their appropriate operational modes; (3) monitor for transients that exist between the return-side and the structure at each subsystem location as the spacecraft is run through a synthesized operational sequence.</p> <p>In its respective area of responsibility, each subsystem group will be required to determine how closely the measured noise levels approach the threshold of deleterious susceptibility. Monitoring may be accomplished by use of the 10-channel transient monitor developed by the JPL Instrumentation Section.</p>	<p>The noise profile recorded between the spacecraft grounds and the OSE grounds indicated that the spacecraft was relatively quiet. When AC5A, AC6B, and gyro on-off loads were applied, a brief loss of data sync resulted from momentary change in the 2.4-kc power frequency.</p> <p>As a result of this and other DEV tests, a complete and systematic review of the entire spacecraft grounding system was initiated.</p>



**DEV Test 5. Operation of 400-cps and 2.4-kc Power Amplifiers with Booster Regulator Failure**

Objectives and scope	Results and recommendations
The effect of a $\pm 10\%$ variation on the direct-current input to the 400- and 2400-cps power amplifiers shall be determined. The output voltage of the 400- and 2400-cps power amplifiers shall be measured with various system loads as the direct-current voltage is varied $\pm 10\%$ from nominal.	The test data indicate that the 400- and 2400-cps power amplifiers would operate satisfactorily on inputs of $52 \text{ v} \pm 10\%$ . The specified tolerance on the input voltage is $\pm 1\%$ . These results demonstrate that the power amplifiers would perform satisfactorily in the event of a booster regulator failure.

**DEV Test 6. Spacecraft Power-Factor Determination**

Objectives and scope	Results and recommendations
Measurements shall be made of individual and combined power factors for various loads of 2400- and 400-cps power supplies. Also, the effect on wave forms shall be determined.	<p>In this test series, the power factor was shown to be consistently higher than 0.95, as required by system specifications.</p> <p>Laboratory techniques used to measure power factor included the two-meter method, the wave-analyzer method, and the comparison method. The phase-meter and watt-meter techniques were found to be the most feasible procedures.</p> <p>Since the test results appear conclusive, despite some relatively minor discrepancies of theory, no further tests in this area are considered necessary.</p>



**DEV Test 7. Data Encoder and RF Grounding Investigation**

Objectives and scope	Results and recommendations
<p>The adequacy of the data encoder and RF grounding shall be determined by studying the flow of currents in existing grounding wires between the respective packages. Also, the voltage difference shall be measured between the data encoder (DE) and RF grounds.</p> <p>The test procedure shall be as follows:</p> <ol style="list-style-type: none"> <li>(1) Measure: <ol style="list-style-type: none"> <li>(a) The currents in the existing DE and RF ground wires.</li> <li>(b) The voltage between the DE-signal ground and the spacecraft ground in the RF package.</li> </ol> </li> <li>(2) Note the DN value of the RF telemetry measurements at the DE GSE.</li> <li>(3) Open the mixed-signal ground and repeat (1) and (2), above.</li> <li>(4) Close the mixed-signal ground, open the telemetry ground to the RF package, and repeat (1) and (2), above.</li> <li>(5) Open both the mixed-signal and the telemetry grounds and replace with grounds of larger cross-sectional area.</li> </ol>	<p>As a result of this test, one significant ground loop was discovered and corrected, and the need for a complete and systematic review of the entire grounding system was established. Also, a comprehensive theoretical study of grounds and grounding philosophy was initiated.</p>

**DEV Test 8. Mariner R-3 Reflectance Investigation**

Objectives and scope	Results and recommendations
<p>Determination shall be made of the amount of heating on the <i>Mariner 2</i> which can be attributed to reflections between portions of the spacecraft. Also, it shall be verified that the proposed test procedure is practical for this application.</p>	<p>The data obtained in this test indicate that the maximum effect of reflectance on spacecraft temperature did not exceed 10%. Preliminary data reduction shows that an average of about 1% of a solar constant of reflected light is incident on vertical hex faces and on the surfaces of the Earth sensor. These results are of great interest, in that they represent the first separation of the reflection effect from other modes of heat input.</p> <p>The spectrally selective nature of the sensor used in the test, together with the relatively poor spectral solar simulation of the Hg-Xe lamps, limited the accuracy of the results. However, the accuracy was well within the broad limits of an investigation of this order of magnitude.</p>



## DEV Test 9. Science Case Harness (Case 1) Evaluation

Objectives and scope*	Results and recommendations
<p>It shall be determined whether the additional weight and bulk of shielded wires is justified by a significant reduction in ambient noise levels and/or crosstalk.</p> <p>Representative ambient noise levels shall first be measured using the present case harness; the same readings shall then be taken using a harness in which only the ac power leads are shielded. More important, perhaps, subsystem and system operation in normal operating modes shall be observed with the unshielded case harness installed, and these results shall be compared with findings in the previous tests using the present harness.</p> <p>*In the interest of efficiency, this test was combined with DEV test 12, the data conditioning system ground investigation. The test results presented here are applicable to both investigations.</p>	<p>When the flight-case and science signal harnesses were replaced by special harnesses in which only the ac power lines were shielded, the subsystem continued to operate without observable degradation. In addition, the noise amplitudes were generally equal to or lower than those observed with the flight harnesses installed.</p> <p>It can reasonably be concluded, therefore, that the <i>Mariner 2</i> science subsystem would have performed equally well without the additional weight and complexity of shields on most of the signal wires. Obviously, without further testing, the same conclusions cannot be drawn regarding other subsystems having different signal amplitudes and terminating impedances.</p> <p>These test results indicate, however, that it may be worthwhile, from the weight and reliability standpoint, to consider the fabrication of two sets of harnesses, one shielded in the <i>Mariner 2</i> manner and the other unshielded except for the ac power wires, for use in future programs.</p> <p>After tests 9 and 12 were performed it was argued that the method of testing could have been improved by using the oscilloscope preamp differentially, with the signal return connected to the second input. This would tend to remove from the scope presentation any pickup induced in the GSE cables. It has further been suggested that the photographs be taken at the spacecraft with the GSE connectors removed. This would eliminate pickup due to GSE cables, but would nullify the capability of simulating experiments from the GSE. Certainly, expansions and refinements of the test would be interesting as well as useful for further design. Such things as crosstalk could be investigated more thoroughly by injecting random noise on one signal pair and observing pickup on others.</p>



## DEV Tests 10 and 11. Limiting of 2.4-kc Clock

Objectives and scope	Results and recommendations
<p>DEV Test 10:</p> <p>Event-channel noise shall be monitored to obtain additional information about noise characteristics, so that event-conditioning circuits can be designed for optimum performance. The four event-channel leads shall be monitored with the 10-channel transient monitor (or equivalent) as the spacecraft is run through a simulated operational sequence. Also, the mixed signal shall be monitored to determine the effect these transients may have on the mixed signal and the related data display equipment.</p> <p>DEV Test 11:</p> <p>The 2400-cps primary power supplied to the data encoder shall be monitored. From this test, the amount of hard limiting of the 2400-cps clock can be determined. The 2400-cps input to the data encoder transformer-rectifier unit shall be monitored, using the unassigned channels of the 10-channel transient monitor, as the spacecraft is run through a simulated operational sequence. The amplitude of the transients shall be measured as they appear on the 2400-cps input to the data encoder transformer-rectifier unit.</p>	<p>These tests provided additional information necessary for redesign of the event-channel circuitry and helped to complete the documentation of this problem. However, the objectives of the test were not fully met, and the data were incomplete because of numerous anomalies in the test procedures. More extensive bench testing of the circuits involved is necessary to produce specific circuit changes.</p> <p>Test results indicate the need for further investigation of the grounding philosophy. Also, it is strongly recommended that modified modules not be tested in the spacecraft unless they have been thoroughly tested in a bench configuration. This will prevent miswiring from interfering with a DEV test.</p>



## DEV Test 12. Data Conditioning System Ground Investigation

Objectives and scope <sup>a</sup>	Results and recommendations
<p>It shall be determined whether the science subsystem will operate properly (or with improved performance) if the instrument-shield return wires are connected to the data conditioning system (DCS) chassis ground, rather than to the signal common ground.</p> <p>The present mechanization violates the intended shielding and grounding philosophy, and it is necessary to determine whether or not the existing mechanization should be retained for <i>Mariner R</i> 1964. The required wiring changes are minor and can be performed by the cognizant engineer within a few hours' time.</p> <p><sup>a</sup>In the interest of efficiency, this test was combined with DEV Test 9, the science case harness evaluation. The test results presented are applicable to both investigations.</p>	See results and recommendations for DEV Test 9.

## DEV Test 13. Calibration of Temperature Transducers

Objectives and scope	Results and recommendations
<p>Techniques for calibrating temperature channels shall be tried and one procedure selected for future use. Measurements to compare several means of calibrating individual temperature-transducer circuits shall be made in the following manner:</p> <ol style="list-style-type: none"> <li>(1) Disconnect the ring harness, connect the 10-ft cable and decoder box to the data encoder, and make resistance measurements.</li> <li>(2) Disconnect each temperature transducer in turn, substitute a decade box, and make resistance measurements.</li> </ol>	<p>The decade-box calibration method proved superior to the previously used black-box method, and is recommended for all future calibrations of this nature. When calibration curves based on the decade-substitution method are used, the spacecraft will appear to be 10 to 15°F cooler for any given received value than when black-box calibration curves are employed.</p> <p>The new method had the following advantages:</p> <ol style="list-style-type: none"> <li>(1) It was not necessary to remove the data encoder from the spacecraft.</li> <li>(2) Long leads from the spacecraft to the operational sequence equipment were eliminated.</li> <li>(3) Actual wiring was used except for 6 temperature transducers.</li> <li>(4) Calibration was provided for the individual, rather than the average, transducer.</li> </ol> <p>A disadvantage of the new method was that a new curve had to be plotted when the transducers were interchanged. However, this did not require actual measurements.</p>



## DEV TEST 14. Long-Range Earth Sensor Reflection

Objectives and scope	Results and recommendations
<p>It shall be determined whether reflection from the Sun's rays on various spacecraft components would show a degradation in the Earth-intensity output. Also, the possibility of a false reflected acquisition source shall be investigated.</p> <p>In this test, to be conducted in the celestial simulation building, the spacecraft will be oriented with the solar panels in the extended position, facing the simulated Sun. The high-gain antenna will be moved, in hinge, from its folded position to the farthest possible forward position. The long-range Earth sensor test rack is to be used to supply power to the Earth sensor and to monitor the light-intensity output and the acquisition signal. A battery-operated light will be used to simulate the Earth for the Earth-acquisition indicator.</p>	<p>The results of this test show that reflected sunlight does not affect the light-intensity output, nor do the components located on the antenna create any Earth sensor problems.</p>

## DEV Test 15. Temperature Control

Objectives and scope	Results and recommendations
<p>A temperature-control investigation shall be made with the following objectives:</p> <ol style="list-style-type: none"> <li>(1) To determine whether a correlation can be established between flight data from the <i>Mariner 2</i> and test data obtained by using <i>Mariner R-3</i> in the 25-ft space simulator.</li> <li>(2) To determine the cause of excessive heating on <i>Mariner 2</i>, particularly in the area of the long-range Earth sensor.</li> </ol> <p>The <i>Mariner R-3</i> will be rigged in a Sun-oriented attitude in the center of the illuminated area of the 25-ft space simulator. The spacecraft will be operated in the cruise mode, with science both on and off. Also, the position of the long-range Earth sensor will be varied between 70 and 15 deg (approximately) from the stowed position. The temperature of the spacecraft will be monitored by the telemetry system and auxiliary thermocouples as required.</p>	<p>The simulated conditions resulted in spacecraft temperatures about 10 to 22°F lower than those indicated in the flight information telemetered from <i>Mariner 2</i>. The temperature discrepancy was greater for higher values of simulated solar intensity.</p> <p>The full-fledged chamber test, while indicating lower temperatures, did provide temperatures considerably closer to flight conditions than those obtained in pre-flight tests. Had the space simulator been available, in its present form, in sufficient time for use in the <i>Mariner R</i> project, a considerable improvement in flight temperature-control performance would have been realized.</p>



## DEV Test 16. Simulated Midcourse Interactions

Objectives and scope	Results and recommendations
<p>A simulation of midcourse-maneuver interactions shall be obtained by the following procedures:</p> <ol style="list-style-type: none"> <li>(1) Fire the midcourse motor two consecutive times with the spacecraft in the <i>Mariner 2</i> configuration, and compare the data with analog-computer simulation data.</li> <li>(2) Obtain natural-frequency data of the structural system by performing the following modal tests: <ol style="list-style-type: none"> <li>(a) Excite the solar panel and measure the natural frequency as a cantilever.</li> <li>(b) With the spacecraft suspended, make a frequency-response survey by exciting the spacecraft with a pair of exciters capable of varying the frequency from approximately 1 to 10 cps. The excitation shall be performed with the exciters in phase, and repeated with the exciters 180 deg out of phase. The gyros shall be on.</li> </ol> </li> <li>(3) Ballast the spacecraft and solar panels to balance the solar panels about the center of mass of the spacecraft, and fire the motor a third time. Compare the results as in (1), above.</li> <li>(4) Add dampers to the solar panel actuators, remove the ballasts added in (3), above, and fire the motor a fourth time, to observe the effectiveness of damping under the worst condition.</li> <li>(5) Repeat the modal test, as in (2), above, with the spacecraft in a configuration as in (4), and in other configurations to be determined after completion of all the procedures listed above.</li> <li>(6) Obtain midcourse motor vibration measurements.</li> <li>(7) Obtain midcourse motor temperature measurements.</li> </ol>	<p>In general, this test showed the theoretical values used in the design of <i>Mariner R</i> 1962 spacecraft to be in good agreement with actual performance values. Specific results in the test program indicated that:</p> <ol style="list-style-type: none"> <li>(1) Such hot firings constitute valid and useful tests for spacecraft autopilot systems, and should be performed before flight for future spacecraft.</li> <li>(2) Modal analysis on the type of suspension system used provides valuable information and should be performed as early as possible in the spacecraft development program.</li> <li>(3) Analysis and analog-computer simulation results were substantially confirmed. Both types of data will be improved by information from the hot-firing tests.</li> <li>(4) Damping should be incorporated in the solar panel actuators, and backlash tolerances should be held to a minimum.</li> </ol>



## DEV Test 17. Radio-Frequency Interference

Objectives and scope	Results and recommendations
<p>A radio-frequency interference test shall be performed to evaluate the effectiveness of JPL Specification 30236 for a space program, directly benefiting <i>Mariner C</i>, <i>Mariner B</i>, and <i>Ranger</i>. Specification 30236 covers both conducted- and radiated-noise susceptibility and conducted- and radiated-noise generation.</p>	<p>The data taken in this test made it possible to evaluate, at least partially, the effectiveness of Specification 30236A for the JPL spacecraft program.</p> <p>The radiated-interference levels monitored were generally within the limits of the specification.</p> <p>The calculated radiation levels to which the spacecraft subsystems were subjected during the radiated-noise susceptibility tests were much higher than those given in the specification. Only one subsystem (transponder) was found to be susceptible. It appeared that the <i>Mariner R-3</i> subsystems, in general, were not susceptible to such interference levels.</p> <p>In general, it was found that the philosophy and methods used for conducted-noise tests in Specification 30236A were not directly applicable to JPL spacecraft subsystem testing. The conducted-noise tests in the specification are designed to be performed on subsystem power lines; the power is assumed to be a single-frequency-audio sine function. The primary power for the JPL spacecraft subsystems is a 2400-cps square wave. This function is composed of closely spaced Fourier components which cover a broad band of the spectrum. The 30236A test methods were not designed for such a function and are not directly applicable for JPL spacecraft testing. The portion of the specification involving conducted tests will require considerable revision.</p> <p>The following procedures were included in the test program:</p> <ol style="list-style-type: none"> <li>(1) <i>Mariner R-3 launch-mode spectrum-signature tests</i>. Data were taken for the frequency range from 30 cps to 10 Gc.</li> <li>(2) <i>Umbilical cable susceptibility tests</i>. The data were inconclusive.</li> <li>(3) <i>Power subsystem spectrum-signature tests</i>. The tests were partially successful. The data taken were representative of both the power subsystem and the CC&amp;S.</li> </ol>



## DEV Test 17 (Cont'd)

Objectives and scope	Results and recommendations
	<p>(4) <i>CC&amp;S tests.</i> The spectrum-signature test was partially successful. The data taken constituted a composite of the CC&amp;S, the power subsystem, and the attitude control subsystem. No degradation was noted during the radiated-noise susceptibility test. A conducted-interference test was performed on one of the CC&amp;S dc lines. The test was not completed because of CC&amp;S degradation, believed to be caused by the test setup.</p> <p>(5) <i>Data encoder tests.</i> Data for part of the spectrum signature were taken (14 kc to 1 Gc). Lack of OSE operator time prevented further testing.</p> <p>(6) <i>Command subsystem tests.</i> Spectrum-signature data were taken. No degradation was noted during the radiated-noise susceptibility test. No conducted-noise tests were performed because of limited OSE operator time.</p> <p>(7) <i>Transponder subsystem tests.</i> Spectrum-signature data were taken. A partial radiated-noise susceptibility test was made, and phase detector degradation was observed. No conducted-noise tests were performed because of limited OSE operator time.</p>

## DEV Test 18. Radiometer Scan Angles

Objectives and scope	Results and recommendations
<p>A test shall be conducted to determine whether some radiometer scan angles occurred more frequently than others. The spacecraft is to be operated in Mode III for a period of not less than 4 hr in a permanent slow-scan mode, to obtain data which will help in resolving some <i>Mariner 2</i> encounter anomalies.</p>	<p>The test results indicate no strong evidence of binding or sticking in the scan mechanism; the fluctuations about the average which were noted could have been statistical. The period of fluctuation, about 40 sec, did not correspond to any known periodic phenomenon of the spacecraft. On the basis of this test, no conclusions concerning the <i>Mariner 2</i> data anomalies could be attributed to binding or malfunction of the scan mechanism.</p>



## Supplement VI

### Summary of Failure Reports for *Mariners 1, 2, and R-3*

The material in this Supplement represents a complete compilation of all failure reports issued against equipment for the *Mariner 1, 2, and R-3* spacecraft. The term *failure report* was originally conceived to cover discrete malfunction (e.g., component failure). However, as testing proceeded in the *Mariner* program, it was recognized that a broader system was required to report discrepancies and anomalies which did not fit into this category. The scope and use of the failure report was therefore increased to cover any difficulty or abnormal indication requiring attention (the investigation of transients, for example). The purpose of this approach was, of course, to insure that no item requiring action would be overlooked. Thus, it should be recognized that the title *failure report* was a misnomer, as it was applied in the *Mariner* test program; a more accurate title might have been *action-requirement report*.

In the tabulations which follow, it will be noted that the current action status (right-hand column) is defined as *closed* or *open*. The term *open*, as applied here, means that insufficient action appears to have been taken in resolving the problem listed. As pointed out in the discussion of *Mariner* flight reliability (Section VI, Volume I, of this Report), a significant correlation appears to exist between known or suspected flight malfunctions and the *open* items in the failure reports. On *Mariner 1*, a total of 106 failure reports were issued, of which 14 are classified as *open*. Of the 84 failure reports issued against *Mariner 2*, 20 are *open*.

It should also be recognized that the failure reports do not give a complete picture of the *Mariner* components from the standpoint of workmanship and quality control. The reports were not issued against defective items dis-



covered in the various inspection processes. For example, no failure report was made on a faulty transistor lead which was replaced after its discovery on final inspection.

In the following summary, the failure reports are classified as follows: first, by the spacecraft against which the report was issued; second, by the subsystem affected; and, third, by the numerical sequence of the applicable report.

The following symbols are used in the summary to designate the cause or type of failure encountered:

C component problem  
DES design error  
DOC documentation error

E environmental problem  
GL ground loop  
GSE ground support equipment problem  
H handling problem  
I investigation  
MI mechanical interference  
P personnel problem  
UN unexplained difficulty  
W wiring problem

The failure reports issued during the spacecraft test programs at AMR are identified by the letter A, preceding the report number.

## A. Mariner 1 Failure Reports

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Scientific experiments						
3	Magnetometer	22A2, 22A3	Ground loop occurred.	GL	Ground loop was removed.	Closed
4	Microwave radiometer	21A1, 22A1	Ground loop occurred.	GL	Amplifier was insulated.	Closed
10	Infrared radiometer	27A1	Defective detector was found.	C	Detector was replaced.	Closed
13	Solar plasma analyser	23A1 to 23A3	Short circuit occurred between signal return and ground.	GL	Wiring was replaced.	Closed
31	Data conditioning system	20A21 to 20A25	Counter was inoperative because of manufacturing error not detected before delivery to SAF.	W	Missing wire was installed.	Closed
34	Scan actuator	21A2	Limit switch failed.	DES and W	Limit switch was replaced and ECR was generated for design change.	Closed
36	Scan actuator	21A1	Overtravel on limit switch was caused by documentation error on ECR.	DOC and W	Prints and wiring were corrected.	Closed
43	Solar plasma programmer	23A2	Wiring error was discovered.	W	Wiring was corrected.	Closed
47	Magnetometer	22A1 to 22A3	Improper readout on magnetometer at GSE was caused by short in GSE.	W (GSE)	GSE wiring was corrected.	Closed



## A (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Scientific experiments (cont'd)						
55	Scan actuator	21A2	Scan actuator switch was damaged by overtravel due to malfunction of DCS.	DES	Switches were replaced, and transient causing overtravel was corrected by ECR 4732 and 4980.	Closed
56	Data conditioning system	20A21, 20A22	(1) Improper readout on ion chamber experiment was caused by incompatible timing with data encoder.	DES	(1) This was not considered detrimental when the cause was understood.	Closed
			(2) Logic problem caused incorrect fast-scan calibrate.	DES	(2) Problem was due to undesirable logic, which was corrected by ECR 4761.	Closed
60	Scan actuator	21A2	Limit switch was suspected of failure resulting from malfunction of DCS.	I	Unit was inspected; no damage to unit had occurred.	Closed
73	Microwave radiometer	21A1	Microwave radiometer functioned improperly in system test complex. Possible source of trouble was believed to be at GSE or S/C. Radiometer functioned normally in lab tests.		Problem remained under investigation.	Open
92	Data conditioning system	20A2 to 20A5	Wiring error was found in DCS logic.	W	Problem was corrected by incorporation of ECR 4761.	Closed
93	Data conditioning system	20A21 to 20A25	Improper sequence occurred during radiometer calibrate.		Circuitry was examined, but no failed components were detected. Careful observation for this phenomenon was instituted.	Open
212	Data conditioning system	20A21 to 20A25	A-D conversion on odd words was in error.	DES	Pulse-shaping circuit was added in DCS T-R.	Closed
219	Solar plasma analyzer	23A1 to 23A3	Sweep-step 8 caused resetting of programmer after shake.	UN	When part was returned to JPL and inspected, it was working properly. Foreign object was suspected.	Closed
221	Data conditioning system T-R	20A25	+12-v supply dropped out of regulation.	C	Transistor was replaced. Difficulty may have been in solder joint.	Closed
243	Microwave radiometer	21A1	-12-v supply dropped out of regulation.	DES	Current limiter in transformer tap was changed.	Closed
248	Magnetometer	22A1 to 22A3	Calibrations were invalid.	I	Unit was recalibrated.	Closed
249	Infrared radiometer	27A1	Calibrations were invalid.	I	Previous calibration curves were used.	Closed



## A (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Scientific experiments (cont'd)						
A260	Solar plasma analyzer	23A1 to 23A3	Programmer would not step.	C	Transistor was replaced with one from another manufacturer.	Closed
A266	Microwave radiometer	21A1	Scan actuator, infrared radio-meter, and infrared calibrate outputs were low because of faulty +12-v supply.	W	Unsoldered connection was reworked.	Closed
A267	Particle flux detector	25A1	Count rates were low on unit 3.	GSE	GSE source was recalibrated.	Closed
A268	Infrared radiometer calibrator	27A2	7°F error occurred in output.	C	Components were replaced, and recalibration was performed.	Closed
A274	Microwave radiometer	21A1	Erratic outputs noted in Explosive Safe Area resulted from 960-mc RF energy.	DES	Tests were run to determine threshold and expected field strengths. Shielding was to be done on an individual basis.	Closed
A284	Infrared radiometer	27A1	Ground loop occurred between infrared chassis and microwave chassis. Mounting screws were bottoming.	GL DES	Metal filing was removed and flat washers were installed under heads of screws.	Closed
A286	Solar plasma programmer	23A3	Ground loop occurred.	GL	Burr on programmer chassis was shorting to Case I.	Closed
Attitude control system						
14	Attitude control gyro package	Serial No. 3	Large roll offset was noted at GSE. When unit was returned to lab, it checked out normally. It was then reinstalled on S/C and abnormal indications were again obtained. However, when spare gyros were installed, normal indications were obtained.	C	Unit was not considered flightworthy and was replaced with new gyro.	Closed
30	Antenna servo electronics	7A13	Antenna hinge moved outward at approximately half speed as compared with inward movement.	C	Defective component SCRQ10 was replaced.	Closed
35	Primary Sun sensor	7A25	Terminal-board potting was damaged by improper handling.	DES	Units were repotted and personnel instructed to be cautious.	Closed
45	Attitude control pitch valve	7A34	Accident to valve caused it to break loose from valve block.	P	Since this was not flight-accepted gas system, unit was resoldered. In addition, safety guards and pressure-switch manifolds were designed to prevent similar accidents.	Closed



## A (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Attitude control system ((cont'd)						
58	Earth sensor	7A10	When AC6B Earth-acquisition command was turned on, command switched from omni- to directional antenna. Problem was traced to light leak in Earth sensor.	P	Aluminum-backed tape was applied.	Closed
68	System		2400-cps power dropped from 100 VPP to approximately 20 VPP for approximately 4 msec when AC5A was initiated.	DES	ECR was incorporated in attitude control electronics to move switch from primary side to load side of transformer-rectifier. This eliminated power transient.	Closed
77	System		System transient of unknown origin switched data encoder from Mode I to Mode III.	DES	Line amplifiers were installed and no repeat of failure was noted.	Closed
106	Primary Sun sensor	7A25 7A28	Terminal posts on Sun sensors were loose.	DES	All personnel were instructed to use low-voltage soldering irons on units. Further action was taken by ECR.	Closed
107	Sun gate sensor	7A31	Terminal posts on Sun sensors were loose.	DES	Unit was re-epoxied.	Closed
213	Earth sensor hood		Light leaks occurred.	DES	Earth sensor was sealed by bonding.	Closed
234	Gas system		Gas-system leaks occurred.	C	Leaking gas system was replaced with spare gas system. Leaking system was repaired.	Closed
242	Antenna drive	7A13	Antenna exit angle was 124 deg.	I	Exit angle potentiometer was adjusted to give antenna exit angle of 120 deg.	Closed
247	Earth sensor hood	7A1D	Aluminum foil used to seal out light did not bond properly to yoke.	DES	Foil was rebonded and checked for further leaks.	Closed
A265	Gyro assembly	7A1	Relay failure in gyro module caused out-of-tolerance condition in C-phase of 400-cps inverter.	C	Relay was replaced.	Closed
A273	Gas system		Fill-port needle valve seized during pressurization.	C	Gas system was replaced.	Closed
A289	Valve cabling		Cabling was reversed on roll valve and pitch valve on —Y-axis.	W	Cabling was corrected.	Closed
A294	Gas system		Minus yaw valve on minus pitch axis did not discharge gas.	H	Gas jet nozzle was removed and new nozzle was installed.	Closed



## A (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Telecommunications system						
50	Case II	Serial No. 12	Receiver threshold was not up to specifications because of improper IF adjustment.	I	Receiver was tuned and procedure was initiated to insure better acceptance tests.	Closed
52	Data encoder	6MT4	No blip register occurred when solar panel microswitch was closed.	DES	ECR 4812 was incorporated.	Closed
57	Case II	Serial No. 14	Receiver threshold was degraded 3 db.	C	Subsystem module was replaced (X42).	Closed
70	RF cables		RF cables were unusable because of cold flow.	DES	ECR was written to install connectors to prevent cold flow.	Open
74	Data display	GSE	All event registers were lost because of failure in word-sync flipflop.	C	L3-01 card was replaced.	Closed
75	Flight shroud		Measurements at 890 mc with flight shroud installed showed greater losses than expected.	DES	Shroud configuration was modified by addition of RF reflecting sheet above coupler support.	Closed
79	Data encoder		Temperature transducer was shorted to ground.	C	Transducer was replaced with new flight-accepted unit.	Open
84	Data encoder, GSE		Present design between data display and data encoder does not allow data display option of working off RF drive or encoder hardline. This is considered undesirable because data encoder operations disturb data display unnecessarily.	DES	Redesign necessary to eliminate problem was not considered to be warranted at this time.	Closed
85	Transponder	2A1, 2A2 Serial No. 12	Command modulation appeared on data modulation when system was in two-way lock and command modulation was present.		No followup was made.	Open
86	Transponder	2A1	GSE monitor of high-gain cavity showed a drop of 2 db. Water was detected in coax feed-through connector in vacuum chamber; when part was dried out, normal indications resulted.	E	Connector was sealed in subsequent tests.	Closed
87	Command decoder	3A4	System transient caused command to drop lock and put event into register 4 of data encoder. When command went out of lock, event was again put into register 4.		No action was taken.	Open



## A (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Telecommunications system (cont'd)						
90	Data encoder	6A1-6TR1	Data encoder GSE experienced difficulty at 8 bps. Amplitude and phase distortion was noted on hardline.	DES	Line amplifier was incorporated in GSE.	Closed
97	Data encoder	6A1-6TR1	Event register indicated random counts following S/C on-off cycle.	DES	Procedural steps were taken to clear channels when difficulty occurred. Circuit changes were not considered wise at this time.	Closed
98	Data encoder	6A1-6TR1	Antenna reference potentiometer (channel 13) and antenna position potentiometer showed 7-deg discrepancy.	I	T/M channels were recalibrated.	Open
99	Data encoder		Science power transients caused data display to lose sync; event register picked up false counts.	DES	Some science transients were decreased by filtering flexo-writer lines and by use of flight hardware. Circuit modifications were considered undesirable at this time; data recovery was believed possible, if necessary, during transient periods.	Open
100	Command decoder	3A4	During space simulator test, free-running frequency of command detector VCO drifted 2cps.		VCO was monitored for drift characteristics.	Open
101	L-band communications, GSE	Serial No. 7	GSE had abnormal difficulties remaining in lock. Condition seemed to be aggravated when command modulation was present.		Investigation was made.	Open
102	Data display	GSE	Signals were not at proper levels. It was suspected that data display transistor switches had degraded after bit and word sync.	C	All switches in question were replaced.	Closed
103	Data display	GSE	Printer malfunctioned.	C	Periodic cleaning and maintenance were ordered.	Closed
104	Data display	GSE	Low output was obtained from recordings on magnetic tape.	I	Readjustment was made on tape-recorder playback amplifiers.	Closed
222	System		Transients occurred during switching of antennas.	I	See failure report 251.	
223	System		Faulty indication was noted on data display lights. Difficulty was caused by transients in systems test complex.	I	No action was considered necessary.	Closed



## A (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Telecommunications system (cont'd)						
224	System		Erroneous event register readout was obtained.	I	Event registers were monitored more closely.	Closed
231	Data encoder		Incorrect readings were obtained on several T/M channels when temperature transducers were not connected.	I	Transducers were connected.	Closed
232	Transfer register	6MT3	Noise from command system caused lock-indication flipflop to reset in random manner.	DES	ECR 4815 was incorporated.	Closed
237	Data display		Data recovery was poor (playback of tape).	H	Operators were reinstructed.	Closed
250	Data encoder		False data were obtained on first cycle. Data were normal on next cycle.	I	No action was taken because of high-noise environment.	Closed
251	Transformer-rectifier	2A4	During system test 4, it was noted that transients occurred during transfer from omni- to directional antenna, or inverse.	I	Unit was returned to American Electronics for rework, and was replaced with A2905.	Open
A271	Directional antenna	2A11	Aluminum filings, fiber filings, and dirt were located internally in alignment shaft to antenna yoke. Filings were also found at right-angle RF connector.	H	Antenna was cleaned, electrically checked, and returned to SAF.	Closed
A275	Command decoder, RWV	3A1	Phase reversal occurred because two isolation transformers were wired backward. False lock was due to procedural error.	I	Proper phasing was insured by hardline. Operator and test-site checkout were planned prior to first launch.	Closed
Central computer and sequencer						
5	End counter	5A3	When counter stopped, T/M blip did not function properly because of defective tantalum capacitor and diode.	C	Defective components were replaced.	Closed
91	System	5A1 to 5A8	Second pulse occurred at 24,000 counts, instead of normal 60,000 counts.	W	Missing wire in 5A2 module was installed.	Closed
245	End counter	5A3	AC22F (encounter stop) did not occur during system test 4. Noise on relay light line to GSE caused this failure.	DES	Diodes were added to CC&S GSE to effect needed isolation.	Closed
A263	Transformer-rectifier	5A8	Command PT19A failed to occur. Later, both PT18A (motor burn) and PT19A (motor shutoff) failed to occur.	GSE	Trouble was traced to GSE and corrected.	Closed



## A (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Power system						
1, 2	400-cps power amplifier	4A8	Power-output transistor collectors showed leakage to case.	DES	Collectors were rerouted to prevent case leakage.	Closed
29	Battery	4A14	Battery voltage decreased to low value, and temperature started to rise.		Battery was removed from S/C, and recharging was required.	
38	400-cps power amplifier	4A8	Amplifier could not be transferred into single-phase mode because of welded relay contacts in module.	DES	Larger capacitor relay was installed per ECR 4911.	Closed
83	400-cps power amplifier	4A8	C-phase voltage remained out of tolerance for long period of time.		Unit was replaced with spare. Original unit was subjected to various tests without success in inducing same failure. Circuit was under examination by Westinghouse.	Open
218	Battery	4A14	Cell 6 went to zero under load.	C and DES	Battery was replaced. Efforts continued to extend battery life.	Closed
225	Power switching and logic	4A1	Erratic readings were observed on T/M channel 06.	DES	See failure report 244.	Closed
229	Power switching and logic	4A1	Failure in PS&L module caused erratic reading of T/M readout for battery drain.	C	Resistor was replaced.	Closed
239	Battery	4A14	Low voltage was obtained. Cells 1, 3, 5, 7 were internally shorted.	C and DES	Cell design was changed to reduce possibility of shorts. (See failure report 218, above.)	Closed
244	Power switching and logic	4A1	T/M channel 06 was erratic during calibration. Failure was traced to variable resistance of kinetic-switch contacts.	DES	Current measurement was removed from kinetic contacts and introduced between terminal post and input to diode, as per ECR 4921.	Closed
282	Power, GSE		Sticky meter movement was observed during launch pad checks. Gage would not zero.	C	Ammeter was replaced.	Closed
Mechanical components						
6, 7, 8, 9, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 33	Spacecraft cabling		Multiple troubles were encountered with Deutsch connectors: e.g., pin retention, broken pins, and shell damage.	DES	ECR 4560 was incorporated, which essentially replaced all Deutsch connectors in spacecraft with Bendix Pygmy connectors.	Closed



## A (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Mechanical components (cont'd)						
18	Antenna drive actuator	7A11	Gear plate had a bent potentiometer shaft.	DES	Gear assembly was redesigned per ECR 4985.	Closed
28	Antenna drive gear box		Entire assembly showed 5 deg of free movement because pins on flange output were sheared.	DES	Part was redesigned per ECR 4985.	Closed
37	Baffle box, Earth sensor		Baffle box shield did not adhere properly because of faulty potting.	DES	Anodizing was removed from area and unit was repotted.	Closed
48	Ring harness	9W1	Wire was damaged when Case III was closed.	H	Connector was removed, nick on wire was cut off, and connector was replaced.	Closed
53	Ring harness	9W1	Broken wire prevented battery charging.	H	Broken wire was repaired and rerouted to gain extra strength.	Closed
53	Ring harness	9W1	Wire was broken.	H	Wire was rerouted.	Closed
78	Ring harness	9W1	Intermittent open circuit on pin of connector was noted.	H and DES	Connectors were replaced and personnel were instructed to be extremely careful in handling Cannon D connectors.	Closed
80	Scan actuator switch	21A2	Scan actuator switch failed. Actuator was improperly assembled.	I (Assem)	Unit was rebuilt at JPL.	Closed
81	Upper thermal shield		Thermal shield was grounded and cosmic dust detector chassis and radiometer latch were locked.	DES and H	Possibility of interference from Mylar wrapping and thermal shield grounding instrument were noted. Careful surveillance was ordered to insure that no such problems exist in flight configuration.	Open
88	Science cable	21A1P2	Pin of connector was recessed, preventing contact.	DES	Cable was redesigned (see failure report 89, below).	Closed
89	GSE cables	3W2010 3W2011	Radiometer failed to operate properly because of interference from GSE cables.	P and DES	New cables were fabricated which were longer and more flexible.	Closed
94	External solar cell terminal board		Interference occurred between louver and terminal post on outside of Case IV. It was suggested that terminal post be trimmed to alleviate clearance.	MI	No action was noted, but problem appeared to have been eliminated.	Closed
105	Cable feed-through plate		Bendix connectors could not be locked because of mechanical interference with feed-through plate.	MI	Cable was carefully installed to relieve any side loads. New feed-through plate was fabricated.	Closed



## A (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Mechanical components (cont'd)						
200	Earth sensor Sun shade		Sun shade mounted on baffle box was 180 deg out of proper orientation.	P	Sun shade was properly installed.	Closed
204	Ring harness	9W1	Full pressure on N <sub>2</sub> transducer when at atmospheric pressure was caused by reversal of two leads.		Wires were reversed in ring harness for proper read-outs; however, it was not known whether documentation was in error.	Open
214	Science power harness	9W23	Unmarked connectors were found.	H	Closer inspection was ordered.	Closed
220	Ring harness	9W1	Commands RTC-2 and RTC-3 were reversed.	DOC	ECR 4516 was incorporated on D revision of Dwg. 119101.	Closed

## B. Mariner 2 Failure Reports

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Scientific experiments						
12	Module	23A1 to 23A3	Improper deflection was noted on magnetometer circuitry.	C	Defective GSE meter was replaced.	Closed
40	Particle flux detector	25A1	Ground loop occurred.	GL	Improper wiring was corrected on instrument.	Closed
42	Scan actuator	21A2	Radiometer scan actuator travel was beyond limits.	W	Wiring error was corrected according to print.	Closed
69	Data conditioning system	20A21 to 20A24	Relay drive gave improper action.	C	Defective cable was replaced.	Closed
71	Data conditioning system harness	9W24	Intermittent circuit in DCS was attributed to rework and excessive handling of harness.	H	Harness 9W24 was replaced.	Closed



## B (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Scientific experiments (cont'd)						
72	Module	23A1 to 23A3	Improper demodulator wave form was observed on solar plasma experiment.	C	Defective transistor was replaced by one of new type.	Closed
201	Science power switching	20A1 Serial No. 2	Science came on and off improperly during shake.	C	Entire science Case I was released for additional vibration tests, where failure was again observed.	Open
210	Solar plasma analyzer	23A1	Plasma sweep was reset at position 9.	H	Bit of solder was cleaned out.	Closed
236	System		Scan-speed-change noise transient affected DCS and cosmic dust detector.	DES	No action was considered necessary.	Closed
254	System		Cruise calibrate sequence noise affected timing in DCS.	DES	No action was considered necessary.	Closed
A257	Ion chamber	26A	Dent in chamber caused malfunction in lab tests.	H and W	Chamber was replaced.	Closed
A258	Microwave radiometer	21A1	13.5-mm waveguide was broken.	H and DES	Handling precautions were increased. Devcon F fillet was added at joint between diplexer and waveguides.	Closed
A262	Scan-activator bearing	2	Radiometer scan was inactivated by excessive drag from bearing.	C	Unit was replaced and returned to JPL for analysis of contaminant.	Closed
A272	Particle flux detector	25A1	Dent was found in stainless tube.	H	Inspection and test revealed no effect on performance because of resilient layer between stainless shield and GM tube.	Closed
A280	Microwave radiometer	21A1	System gain decreased.	C	Amplifier gain was changed and baseline was reset.	Open
A281	Magnetometer	22A1 to 22A3	100-gamma offset occurred on X-axis.	UN	Instrument was checked at Marshall Laboratories and rechecked at JPL without any repetition of anomaly.	Closed
A283	Magnetometer	22A1 to 22A3	No response to GSE calibration pulse was obtained.	GSE	Trouble resulted from GSE grounding problem and occurred only when unit was removed from spacecraft.	Closed
A285	Microwave radiometer	21A1	13.5-mm channel became saturated.	C	Oscillation occurred as a result of drift in narrowband amplifier. Filter was retuned.	Open
A293	Data conditioning system	20A21 20A24	During radiometer scan, DCS appeared to trigger slow-scan and reversal simultaneously.	C	Malfunction did not recur in further tests; may have been observational or statistical.	Open



## B (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Scientific experiments (cont'd)						
A319	Data conditioning system, power switching, or radiometer		Cruise calibrate sequence worked noisily and encounter calibrate not at all.	UN	No action was taken.	Open
Attitude control system						
27	Antenna drive	7A13	Ground loop was caused by mechanical touching of unit and frame.	GL	End cap was repaired and modified.	Closed
44	Yaw jet valve	7A35	Solder joint on nozzle of valve was broken during attempt to clean threads.	P	Procedure was initiated to prevent recurrence of this type of failure.	Closed
106	Primary Sun sensor	7A25 to 7A28	Terminal posts on Sun sensors were loose.	DES	ECR was incorporated to prevent loose terminals.	Open
202	Primary Sun sensor	7A28	Sun sensor was broken during torquing operation of leg C.	P	Investigation was made.	Open
205	Pitch Sun sensor	7A28	Defective Sun sensor (primary pitch) was noted after S/C composite shake. Exact cause of failure was not discovered.	C	Investigation was made.	Open
207	Primary Sun sensors	All	All terminals on Sun sensors were loose.	DES	ECR was written to modify terminal installation.	Open
A287	Gyro assembly	7A1	Overload condition on 400-cps C phase indicated possible malfunction of relay K1.	C	Relay K1 was replaced and ECR 4256 was incorporated.	Closed
Propulsion system						
A291	Pressure transducer	10PT1 8549	Unit showed defective performance during system test 3.	C	Transducer was replaced.	Closed
A300	Midcourse motor		Visual gauge on fuel-tank pressure system indicated abnormal pressure (below 275 psi).	C	Leaky regulator was replaced with new regulator.	Closed
Telecommunications system						
49	Command decoder	3A4	False command resulted in system response.	C	Defective transistors were replaced, and old transistors were placed under microscopic inspection.	Closed
61	Transponder	Serial No. 13	Transponder had low threshold.	C	X42 module was replaced.	Closed
62	Command decoder, GSE	3A1 to 3A4	Improper commands were sent if GSE was not cleared.	DES (GSE)	GSE wiring was changed to assure that GSE was in proper state.	Open



## B (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Telecommunications system (cont'd)						
63	Data encoder, GSE		Loss of data encoder and data display sync occurred.	DES (GSE)	GSE inverter was corrected and filter added to decrease sensitivity to noise.	Open
70	Transponder	2A1, 2A2	RG-9 cables degenerated because of cold flow of Teflon.	DES	ECR 4779 was written to correct this malfunction.	Closed
76	Transponder		Transponder threshold showed degradation.		Lab investigation did not duplicate problem; test indicated unit met all specifications. Problem was thought to be one of GSE or S/C cabling and was to be checked when unit was reinstalled on S/C.	Open
95	Omnidirectional power monitor system		Directional power readout was obtained during operation in omniantenna mode with shroud on.	DES	ECR was written to install choke in circuit to eliminate false power.	Closed
206	Data encoder		Data encoder transfer register filled with extraneous pulses, and extra events were noted on channels 3 and 4 when command AC6B was initiated. In addition, data encoder and data display were affected by AC10B and AC5A and by science turn-on.		Investigation was made.	Open
208	Command decoder	3A1 to 3A4 Serial Nos. 6 and 7	T/M channel 11 showed command decoder out of lock when AC6B was set. This failure was momentary, and was determined to be false indication.	GSE	Noise on AC6B was eliminated. No further difficulty was noticed.	Closed
215	Teletype encoder	Serial No. 2	Encoder malfunctioned because of incorrect punching.	C	Old punch was replaced with new one.	Closed
216	Command decoder	3A1 to 3A4 Serial Nos. 6 and 7	False lock under high RF-signal-level conditions was caused by low-frequency phase shift.	GSE	10-db command signal attenuator and low-frequency pre-emphasis were installed.	Closed
226	Data encoder	6A1, 6TR1 Serial No. 2	Data encoder switched from Mode II, 8 bps, to Mode I, 33 bps, without command.	E	Noise was found to be due to cabling in environmental lab and noise in GSE.	Closed
228	Transponder	2A1, 2A2 Serial No. 13	X16 multiplier varacter failed after temperature checks in environmental labs.	C	Detailed analysis was made of component. Varacter diode was replaced.	Closed



## B (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Telecommunications system (cont'd)						
241	Junction box	2A5 Serial No. 2	Open circuit was discovered between pins 35 and 36. Printed wiring was burned into two segments on ground bus between these pins.	UN	Jumper was installed between pins 35 and 36.	Closed
253	Data encoder	6A1, 6TR1 Serial No. 2	Extra events appeared in register 10/4; also, transfer registers filled, then cleared.	I	Science off produced 1 event in channel 10/4. This was known problem. No corrective measures were taken.	Closed
A259	Data encoder	6A1, 6TR1 Serial No. 2	R44 potentiometer shaft sheared during adjustment.	H	Serial No. 3 was installed on S/C. Serial No. 2 was to be repaired to serve as flight spare.	Open
A269	Directional antenna	2A11 Serial No. 7	(1) Gold filings were found at right-angle connector, bottom of antenna feed. (2) Inner pins in right-angle RF connector were rigid and would not properly align. (3) Ceramic material at base of pin was cracked.	H	New right-angle connector was installed.	Closed
A270	Directional antenna	2A11 Serial No. 8	(1) Alignment shaft was contaminated internally with dirt, and metal and fiber filings. (2) RF connector at base of feed showed zero retention. (3) Right-angle RF connector was in loose alignment. Pin would not center for mating connector.	H	Antenna was shipped to JPL for major rework, then returned for use on Mariner R-3.	Closed
A279	Transponder	2A1, 2A2 Serial No. 15	Degradation of threshold occurred.	I	Three modules were returned, which brought unit into acceptable limits. Test was continued; unit was not flight-acceptable.	Open
A320	Data encoder, GSE launch complex		(1) GSE could not be homed. (2) Improper operation occurred when unit was first turned on.	1.C 2.I	(1) Flipflop A8J23 in deck D was replaced. (2) All function boards were inspected and cleaned.	Closed Closed
Central computer and sequencer						
11	Address register output	5A6	Commands could not be given manually for AC13B and 14B.	DES	Missing jumper in 5A6 was installed.	Closed
41	End counter	5A3	Multiple blips appeared on data encoder.	DES	Capacitor and end counter were changed by ECR 4515 to give command signal to data encoder.	Closed



## B (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Central computer and sequencer (cont'd)						
46	System	5A4	Data encoder received extra blips from CC&S.	I (Assem)	Diodes in maneuver clock were reinstalled correctly.	Closed
65	System		Actuation of roll, pitch, and motor-burn commands occurred at wrong time.	DES (GSE)	Several changes were installed on GSE to reduce Berkeley counter susceptibility to noise.	Closed
66	System		Updating of launch counter crosstalked into end-counter updated circuitry, causing erroneous actuation of commands SC20F and 22F.	DES (GSE)	Several corrections were incorporated into system for evaluation.	Open
67	System		No-go light was received from CC&S start check.	DES (GSE)	Circuitry in GSE panel was changed to eliminate false no-go condition.	Closed
209	Central clock	5A1	38.4-kc frequency appeared to be unstable.	I	Test series was run on S/C and indicated that 38.4-kc acted normally.	Closed
252	End counter	5A3	Extra pulses were introduced into the $\div 2000$ counter.	I and W	Threshold, transient, and CC&S-GSE interface tests revealed that encounter update line was in company with clear release light line. GSE cable was changed, and GSE was modified to decrease current switched at clear release time.	Closed
A256	Transformer-rectifier	5A8	Relay position indicator on GSE was erratic. Capacitors were subjected to reverse current.	GSE	Capacitors C101 and C102 in 5A8 module were changed to insure reliability. GSE was changed to eliminate reverse voltage on capacitors.	Closed
A264	System		Relay position indicator was erratic.	GSE	Capacitors C101 and C102 in 5A8 module were changed. GSE was changed to eliminate reverse voltage on capacitors.	Closed
A278	System		Clear release relay indication occurred at 114 sec on Launch Complex counter, which indicated counter no-go condition.	GSE	This circuit was disabled in Launch Complex panel, since stop-watch method was found to be most satisfactory.	Closed
Power system						
32	400-cps power amplifier	4A8	Incorrect resistance reading was observed on pins of module because of shorted 1N645 diode.	P	Diode was replaced and design reviewed. Diode application appeared correct, and it was demonstrated that instantaneous polarity reversal could cause diode failure.	Closed



## B (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Power system (cont'd)						
51	Booster regulator temperature transducer	4A4	Transducer failed high-potential test.	C	Part was replaced by new type of transducer.	Closed
82	400-cps power amplifier	4A8	C-phase power supply was not in accordance with specifications.	C	Defective transistor was replaced and investigation was conducted by manufacturer to determine cause of component failure.	Open
217	Booster regulator	4A4	2.4-kc supply had low-frequency beat when entire system was turned on. This caused attitude control Earth sensor to be inoperative.	DES	Problem was traced to unmatched B/R and PS&L units. It was recommended that B/R and PS&L be installed as one unit.	Closed
230	Booster regulator	4A4	Mixed signal was noisy in oscillating range of booster regulator.	DES	Same as failure report 217.	Closed
A288	Battery	4A14	Battery was at end point of life cycle.		Unit was replaced with flight battery.	
A310	Booster regulator  Power switching and logic	4A4  4A1	With this matched pair, system voltage was 35 v at 5.8 amp. (This was approximately 30 w in excess of desired level.	P	Booster oscillator was readjusted to normal 2800 cps.	Closed
A311	Booster regulator  Power switching and logic	4A4  4A1	Booster regulator output was low (50.99 v).	P	Output was adjusted to 52.0-v level per specification.	Closed
Mechanical components						
39	Attitude control wire harness	9W7	Wave-form change occurred on one pin of connector when 7A13P1 was tapped or moved.		Cable was examined and tested, but no reason for failure was detected. Cable was considered unflightworthy.	Open
54	Case harness	9W6	Lack of pin retention on pin 1 of plug 6K2P1 caused intermittent failure.	W	Connector was removed and replaced with new connector.	Closed
59	Case harness	9W24	Intermittent open circuit occurred between two connectors.	C and W	New 9W24 harness was fabricated to replace old harness.	Closed
64	Central recorder, GSE cable		Central recorder GSE cable was too short.	DES	Cable extension was installed.	Closed
96	Case harness plug		Case harness plug was potted at wrong angle, making engagement impossible.	I	New connectors were added at correct angle.	Closed



## B (Cont'd)

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
Mechanical components (cont'd)						
203	Rubber bearings		Silicon rubber bearings were cracked on solar panel actuators.	C	Bearings were replaced and failure was investigated.	Open
227	Antenna yoke assembly		During installation and removal of high-gain antenna, short strut near antenna collect nut was damaged. This could cause mirror misalignment.		Mirror and yoke assembly were aligned. Special wrenches were made for use in SAF to avoid recurrence of damage.	
233	Ring harness	9W1	Wire was disconnected from bundle when spot tie was removed.	W	Wires entering all connections on ring harness were inspected for solder defects, incipient fractures and broken strands.	Closed
235	Cable	2W83MR	Cable from data display to pyrotechnics unit was damaged, causing pyro printer to malfunction.	H	Cable was reworked and connection replaced. Personnel was cautioned as to correct handling.	Closed
238	Cable	2W311MR	Cable from data display to central recorder was damaged in attempt to use too short length.	DES and H	New cables were built to A revision, print B119253.	Closed
240	Case harness	9W6	Wire on connector 6A1P1 pulled loose from potting cup.	W	Harness was reworked by addition of longer wire.	Closed
246	Case harness	9W4	With switch K-332-10 in PS&L in internal position, battery voltage was on 4A1P3. This caused pins of connector to burn while attempt was being made to connect 4A1P3 to 4A1J3.	P and H	Ring harness connector should be disconnected during process of connecting or disconnecting PS&L.	Closed
255	Antenna yoke temperature transducer	11TT6	Installation of temperature transducer on high-gain antenna yoke was inadequate for proper installation of gear-box-drive connector.	DES	Transducer was replaced in proper orientation.	Closed
A292	Spacecraft cabling		Magnetic field on <i>Mariner 2</i> was approximately 6 times larger than on <i>Mariner 1</i> , apparently because of wire routing.	DES	Science system had to be calibrated to compensate for routing deficiency.	Closed
A301	Antenna drive actuator	7A11	Leak was present between gear box and cover.	C	O-ring was replaced.	Closed
A318	Keensert	Leg B	Keensert in leg B rotated while ground strap was being removed.	MI	Keensert was replaced, and shorter bolts were used to fasten ground strap.	Closed



### C. Mariner R-3 Failure Reports

Failure report No.	Component	Reference designation	Failure		Action taken	Action status
			Description	Type or cause		
A261	Midcourse motor		Three leaks were detected in high-pressure nitrogen circuit.	MI and H	Sealing surfaces were cleaned and new O-rings installed; system then checked out leak-tight.	Closed
A276	CC&S		CC&S preset counter did not set to preset number.	GSE	Logic circuitry in GSE panel was repaired to eliminate trouble.	Closed
A277	Launch counter	5A2	Not as a normal procedure, when PT3A is set, after count of 3780 in counter, AC5A is also set.	I	Phenomenon was inherent in mechanization of PT3A and AC5A. Behavior was considered normal and predictable.	Closed
A279	Command decoder	3A4 Serial No. 6	T/M reading on channel 11 was not accurate representation of VCO frequency.	C	C/D flipflop 20 would not switch to zero state. Part was returned to JPL for repair.	Open
A288	Battery	4A14	Cell 4 dropped to zero voltage while on internal power.	C	Battery was shipped back to JPL for evaluation.	Closed
A290	Gyro control electronics	7A2	110-v ac was momentarily applied to 40-v dc line.	H	After comprehensive module checks, components in rectifier circuit and diode across power relay were replaced.	Closed



